

1963

List of Approved Motion Picture Films

For Use in
ELEMENTARY SCHOOLS
and
JUNIOR, ACADEMIC AND VOCATIONAL HIGH SCHOOLS



BOARD OF EDUCATION
of The City of New York

Particular Attention Is Called To

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This List Includes All Titles
Approved by the Board of Education To and Including
December, 1962

From the collection of the

j f d
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x o Prelinger a
u v q g Library
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b t s w p u

San Francisco, California
2006

APPROVED LIST OF MOTION PICTURE FILMS

This List replaces all previous Motion Picture Film Lists

SPECIAL INSTRUCTIONS

TO SUPERINTENDENTS, DIRECTORS, SUPERVISORS, PRINCIPALS, ET. AL.

1. This is a catalogue of approved films.
 2. Elementary school principals are to be guided by this list in making recommendations to their Assistant Superintendents for further development of district film libraries. Such recommendations will guide the Bureau of Visual Instruction in its purchases.
 3. Junior high schools and high schools may also make selections from this list according to the rules and regulations of each division.
 - 4: The school level is indicated for each title by the following code letters:
"E" _____ Elementary School "A" _____ Academic High School
"J" _____ Junior High School "V" _____ Vocational High School
 5. Where a title is suitable for more than one school level, a combination of two or more letters will so indicate: viz. E-J would indicate Elementary and Junior High, E-V would indicate Elementary and Vocational, etc., etc.
 6. The films as classified merely indicate the school level for which they are most suitable. However, it is not intended to restrict their use to any particular school level, grade or subject.
 7. At the right hand side of each page in this list, following the price, there are two other columns of numbers, one headed "Contractor," the other with a cross (†). In "Contractor" column is stated the contractors' reference number which is indexed on Page 2. The column headed by the cross (†) indicates year of contract termination.
- When requisitioning items from this list please adhere to the following instructions:
8. Use "S" form requisition.
 9. Correct address of school, including postal zone number, must appear on each requisition.
 10. All requisitions submitted should be typewritten. Signatures of Principals on the voucher and requisition copies shall be the personal signatures, written in ink. Signatures in pencil, rubber stamped or written by another, will not be accepted.
 11. When preparing requisitions, please list the items in numerical sequence. Use one line for each item.
 12. When requisitioning, enter the full name of the vendor in the space provided on the requisition. A separate requisition shall be prepared for each vendor.
 13. Six copies are to be sent to the Assistant Superintendent, or the appropriate director, etc., for such action as he (she) may wish to take. The seventh copy is to be retained by the school. Keep all copies of each requisition together, since the separation of copies retards their handling by the Bureau of Supplies. Kindly staple all copies of requisition together.
 14. Requisitions once filed shall be considered as open requisitions until they are either filled or cancelled. Items shall not be re-requisitioned on the assumption that a previous requisition will not be filled.
 15. Requisitions are numbered in sequence: therefore, if a requisition is cancelled or destroyed, a note of such cancellation shall be attached to the next following requisition.
 16. Before approving requisitions, Superintendents will satisfy themselves as to the necessity for the item ordered.
 17. Superintendents are requested to ascertain if there is a surplus of any item requisitioned in the schools under their jurisdiction which may be used in other schools, thereby eliminating the necessity of ordering such items.
 18. Requisitions submitted by schools shall include the COMBINED requirements of all departments. An annex will be regarded as a separate school.
 19. Principals of Junior High Schools wherein Elementary Departments are maintained should have requisitions distinctly marked in capital letters ELEMENTARY or JUNIOR HIGH as the case may be.

You are urged to re-read the foregoing instructions and re-check requisitions before forwarding.

APPROVED:

BERNARD E. DONOVAN
Acting Superintendent of Schools

HANS SPANN
Acting Superintendent of School Supplies

TABLE OF VENDERS' NAMES, ADDRESSES AND THEIR REFERENCES NUMBERS

1.11	Academy Films, 1145 N. Los Palmas Ave., Hollywood, Calif.
1.115	Aci Productions, 56 West 45 St., N.Y. 36, N.Y.
1.118	All American Prod., P.O. Box 801, Riverside, Calif.
1.12	Allend 'Or Prods. Inc., 607 North La Brea, Los Angeles 36, Calif.
1.14	Ambrosch C. Harold, P.O. Box 4806, Carmel, Calif.
1.15	Almanac Films Inc., 41 Union Sq. West, N.Y. 3, N.Y.
1.18	AAA Foundation for Traffic Safety, 1712 G. Street N.W., Washington 6, D.C.
1.2	American Film Producers, 1600 Broadway, N.Y. 19, N.Y.
1.3	Association Films, 347 Madison Ave., N.Y., N.Y.
1.35	Athena Films, Inc., 165 West 46 St., N.Y., N.Y.
1.37	Atlantis Productions, Inc., 7967 Sunset Blvd., Hollywood 46, Calif.
1.38	Audivision Language (Suite 1852), Teaching Service, 100 Church St., N.Y. 7, N.Y.
1.5	Australian News Information Bureau, 636 Fifth Ave., New York 20, N.Y.
1.6	Avalon Daggett, 441 North Orange Drive, Los Angeles 36, Calif.
1.8	Av-Ed. Films, 7934 Santa Monica Blvd., Hollywood 46, Calif.
3	Bailey Films, Inc., 6509 De Longpre Ave., Hollywood 28, Calif.
5	Barr Arthur Productions, 1265 Bresee Ave., Pasadena 7, Calif.
7.2	Birad Corporation, 1564 Broadway, N.Y. 36, N.Y.
12	Brandon Films, Inc., 200 West 57 St., N.Y. 19, N.Y.
15	Bray Studios, Inc., 729 Seventh Ave., N.Y. 19, N.Y.
18.4	Brooklyn Public Library, Grand Army Plaza, Bklyn. 17, N.Y.
18.5	Bureau of Publications, Teachers College Columbia University, 525 West 120 St., N.Y. 27, N.Y.
20.3	C-B Educational Films, Inc., 690 Market St., San Francisco 4, Calif.
20.4	Campus Film Distributors Corp., 20 East 46 St., New York 17, N.Y.
20.5	Carousel Films, Inc., 1501 Broadway, New York 36, N.Y.
20.55	Carrol Barnes, Three Rivers, Calif.
20.553	Carson Co., 123 West 57 St., N.Y. 10, N.Y.
20.56	Cassard Films, 877 Avenida Evelita, Palm Springs, Calif.
20.57	Cassyd Syd, 917 South Tremaine Ave., Los Angeles 19, Calif.
21	Cenco Instruments Corp., 1700 W. Irving Park Road, Chicago 13, Ill.
21.37	Chilton Co., East Washington Sq., 525 Locust St., Phila., Pa.
21.4	Churchill-Wexler Film Prods., 801 N. Seward St., Los Angeles 38, Calif.
21.5	Classroom Film Distributors, Inc., 5620 Hollywood Boulevard, Hollywood 28, Calif.
22.5	Colburn Film Distributors, Inc., P.O. Box 470, 668 Western Ave., Lake Forest, Ill.
23	Colonial Williamsburg, Inc., Goodwin Building, Williamsburg, Va.
24	Commonwealth Pictures Corp., 723 Seventh Ave., New York 19, N.Y.
24.04	Contemporary Films, Inc., 267 West 25 St., N.Y. 1, N.Y.
24.1	Coronet Instructional Films, 65 East South Water St., Chicago 1, Ill.
24.7	Council of T.B. Assoc. for Greater N.Y., 293 Schermerhorn St., Bklyn. 17, N.Y.
26	Davis, Sid Productions, 2500 S. LaBrea Ave., Los Angeles 76, Calif.
27.2	Davis Productions, Cary, Illinois
27.3	Delta Film Productions, Inc., 7238 W. Touhy Ave., Chicago 48, Ill.
28	Disney Walt Productions, Inc., 500 South Buena Vista St., Burbank, Calif.
28.14	Disraeli Robert Films, 206 East 17 St., N.Y. 3, N.Y.
29	Dowling Pat Pictures, 509 South Beverly Drive, Beverly Hills, Calif.
30	Dynamic Films, Inc., 405 Park Ave., New York 22, N.Y.

- 31 Eberhart Production, 2052 Lincoln Park West, Chicago 14, Illinois
- 36.85 Educational Horizons, 3015 Dolores St., Los Angeles 65, Calif.
- 36.9 Educational Materials Services, University of Oklahoma, Norman, Oklahoma
- 39 Encyclopedia Britannica Films, Inc., 1150 Wilmette Ave., Wilmette, Ill.
- 42.5 Fass-Levy Films, 1320 Quebec St., Denver 20, Colo.
- 43 Film Associates of California, 11014 Santa Monica Blvd., Los Angeles 25, Calif.
- 45 Films for Education, Inc., 21 Audio Lane, New Haven 11, Conn.
- 46.5 Focus Films, 1385 Westwood Blvd., Los Angeles 24, Calif.
- 47 Films of the Nations, Inc., 62 West 45 St., New York 36, N. Y.
- 48 Frith Films, 1816 N. Highland Ave., Hollywood 28, Calif.
- 53 Gateway Productions, Inc., 1859 Powell St., San Francisco 11, Calif.
- 53.58 Golden Reel, The, 2311 Brewster Ave., Redwood City, Calif.
- 53.65 Grover-Jennings Prod., Inc., P.O. Box 303, Monterey, Calif.
- 53.68 Guidance Films, Ithaca, New York
- 53.8 Handel Film Corp., 6926 Melrose Ave., Hollywood 38, Calif.
- 54.1 Harrison Edward, 1501 Broadway, New York 36, N. Y.
- 56.3 Hilfifer Productions, 284 Somershire Drive, Rochester 17, N. Y.
- 57.2 Hoffberg Productions, Inc., 362 West 44th St., New York 36, N. Y.
- 57.23 Hotchkiss Tom, Color Film Prod., 817 S. Glenoaks Blvd., Burbank, Calif.
- 57.3 Indiana University Audio-Visual Center, Bloomington, Indiana
- 57.8 International Film Bureau, Inc., 332 South Michigan Ave., Chicago, Illinois
- 58 International Film Foundation, Inc., 1 East 42 St., New York 17, N. Y.
- 59 Johnson Hunt Production Film Center, La Canada, Calif.
- 59.5 Journal Films, Inc., 909 W. Diversey Parkway, Chicago 14, Ill.
- 60 Junior Red Cross of N.Y.C., 131 Livingston St., Bklyn. 1, N. Y.
- 61.1 Kugler-Barker Productions, 2311 Dudley St., Pasadena, Calif.
- 61.13 Landon & Landon Prod., Inc., P.O. Box 950, Manhattan, Kansas
- 61.5 Library Films, 25 West 45 St., New York 36, N. Y.
- 61.65 Line, Francis R., 5475 Eagle Rock View, Los Angeles 41, Calif.
- 61.8 Mahnke, Carl F. Productions, 215 East Third St., Des Moines, Iowa
- 61.9 Mansfield Portia Motion Pictures, Steamboat Springs, Colorado
- 62.5 McGraw-Hill Book Co., (Text-Film Dept.), 330 West 42 St.,
New York 36, N. Y.
- 62.52 Mental Health Film Board, Inc., 164 East 38 St., N. Y. 16, N. Y.
- 62.56 Mental Health Materials, (Center Columbia University)
1790 Broadway, New York 19, N. Y.
- 62.65 Middleham, Ken, P.O. Box 1065, Riverside, Calif.
- 62.7 Miller Wood, 20417 Califa St., Woodland Hill, Calif.
- 62.8 Mills Picture Corp., 6533 Hollywood Blvd., Hollywood 28, Calif.
- 62.85 Modern Teaching Aids, 3 East 54 St., New York 22, N. Y.
- 62.9 Moody Institute of Science, 114-28 Santa Monica Blvd., Los Angeles 25, Calif.
- 63 Midlantic Ass'n., Inc., 41 Union Square West, New York, N. Y.
- 63.5 Moyer Martin, 900 Federal Ave., Seattle 2, Washington
- 64 National Film Board of Canada, 680 Fifth Ave., New York 19, N. Y.
- 64.5 National Education Assoc. of the U.S., 1201 16 St., N.W.
Washington 6, D. C.
- 67.5 National Soc. for the Prevention of Blindness, 16 East 40 St., N. Y. 16, N. Y.
- 70 New York University Film Library, 26 Washington Place, N. Y. 3, N. Y.
- 70.5 Northern Films, 1947 14th Ave. North, Seattle 2, Wash.
- 71 Norwood Studios, Inc., 926 New Jersey Ave., N.W., Washington, D.C.
- 72.08 Orrin Enterprises, 424 Beach 67 St., Arverne, L.I., N.Y.
- 72.11 Pacific Horizons Inc., 1992 Mar Vista, Altadena, Calif.
- 72.14 Palmer, Alfred T. Productions, 130 Bush St., San Francisco, Calif.
- 72.15 Park Films, 222 North Almont Drive, Beverly Hills, Calif.

- 72.3 Pathe News, Inc., 245 West 55 St., New York 19, N. Y.
- 72.5 Phase Films, 656 Austin Ave., Sonoma, Calif.
- 73.02 Pictura Films Dist. Corp., 41 Union Square West, New York 3, N.Y.
- 73.5 PortaFilms, Orchard Lake, Mich.
- 74.05 Progressive Pictures, 6351 Thornhill Drive, Oakland 11, Calif.
- 74.3 Psychotechnics, Inc., 105 West Adams, St., Chicago 3, Illinois
- 74.5 Pyramid Film Producers, 1636 N. Sierra Bonita Ave., Hollywood 46, Calif.
- 76 Read Nicholas, C., 1536 Connecticut Ave., N.W., Washington, D. C.
- 76.3 Reynolds Stuart Productions, 195 S. Beverly Drive, Beverly Hills, Calif.
- 76.8 Rothschild Films Corp., 1046 East 18 St., Brooklyn 30, N. Y.
- 77.8 Seminar Films, Inc., 480 Lexington Ave., N.Y. 3, N.Y.
- 78 Sexton, John, 16 Gillies St., Clifton, N. J.
- 83.7 Solin, Myron, 3 Washington Sq. Village, N.Y. 12, N.Y.
- 85 Sterling Educational Films, 6 East 39 St., New York 16, N. Y.
- 86.3 Sutherland Educational Film, Inc., 201 North Occidental Blvd.,
Los Angeles 26, Calif.
- 86.4 Syracuse University (Educational Film Library), Collendale Campus,
1400Block East Colvin St., Syracuse 10, N. Y.
- 86.5 Table Topper Productions, 111 East 6 St., Carson City, Nevada
- 87 Teaching Film Custodians, Inc., 25 West 43 St., New York 36, N. Y.
- 88.7 Trachtenberg Leo Films, 90 Riverside Drive, New York 24, N. Y.
- 88.95 U. S. Committee for U.N.I.C.E.F., United Nations 17, Room 1858, N.Y.,
- 88.97 United Artists Assoc., Inc., 247 Park Ave., N.Y. 17, N.Y.
- 89 United World Films, Inc., 1445 Park Ave., N. Y. 29, N. Y.
- 89.3 University Extension Educational Films, University of Calif., Berkeley 4, Calif.
- 89.4 University of Kansas City & Calvin Co., 5100 Rockhill Road,
Kansas City 10, Mo.
- 89.45 University of Southern California, University Park, Los Angeles 7, Calif.
- 91.95 Weston Woods Studios, Inc., Weston, Connecticut

QUANTITY DISCOUNTS

**** Items which bear this reference symbol are subject to quantity discounts as follows except Vendor No. 28, Vendor 39 and Vendor 87 as noted.**

- ** Vendor No. 1.2** 25% discount on 6 or more. F.O.B. Plant.
On Item #102—6 or more \$50.00 each.
- ** Vendor No. 15** Items No. 296.5 }
 297.1 } 5% discount on orders for 10 prints of any one
 537.45 } film.
10% discount on orders for 10 prints of any one film.
- ** Vendor No. 20.553** 2-9 prints \$112.50 each
 10-19 prints 109.50 each
 20-29 prints 100.00 each
 30-49 prints 96.50 each
 50 or more 92.50 each
- ** Vendor No. 20.56** 5% discount for orders of 10 or more
10% discount for orders of 20 or more
15% discount for orders of 30 or more
- ** Vendor No. 23** On Item 412.92—10-24 prints—10% discount
 25-49 prints—15% discount
On Item 668.5 —25-49 prints— 5% discount
 50 or more —10% discount
- ** Vendor No. 27.2** 15% discount if order exceeds 5 copies of any one subject or combination of any subjects.
- *** Vendor No. 28** 10 year lease
- ** Vendor No. 28.14** 4-10 10% discount on each print
11 and over 15% discount on each print
- ** Vendor No. 29** 3-9 prints 10% discount
10-19 prints 15% discount
20 and over 25% discount
On Item #313.29— 3- 9 prints 10% discount
 10-19 prints 15% discount
 20 and over \$91.25 each
- *** Vendor No. 39** 6 year lease
- ** Vendor No. 42.5** 2-3 prints \$57.50 ea. in Black & White and \$117.50 in Color
4-5 prints 55.00 ea. in Black & White and \$115.00 in Color
6 and over 52.50 ea. in Black & White and \$112.50 in Color
- ** Vendor No. 53.65** Item 322.55—On single order every sixth Black & White print \$45
Item 322.56—On single order every fourth Color print \$130
On Item 42.6 } 11 or more prints in a single order 25% discount
 233.1 } allowed. (Film has color filmstrip and set of 10
 black and white study prints).
- ** Vendor No. 57.2** Plus Postage
6-10 prints of each subject 25% discount
11 or more of each subject 33-1/3% discount
- ** Vendor No. 57.8** 2- 5 prints — 5% discount
6-10 prints —10% discount
11-15 prints —15% discount
16-20 prints —20% discount
21-25 prints —25% discount
26 and over —30% discount
- ** Vendor No. 58** 10 or more prints—10% discount
20 or more prints—25% discount
40 or more prints—30% discount

** Vendor No. 58 (Cont'd)	On Item 557.5—10 or more prints 10% discount
	20 or more prints 25% discount
	40 or more prints 40% discount
	On Item 582.25—10 or more prints 20% discount
	20 or more prints 25% discount
	40 or more prints 30% discount
	On Item 327.45—10 or more prints \$200.00 each
	On Item 350.8 in lots of 10 or more prints \$85.00 each
	350.81 in lots of 10 or more prints 85.00 each
	350.82 in lots of 10 or more prints 85.00 each
** Vendor No. 59.5	7% discount in quantities of 10 or more
** Vendor No. 61.1	6-10 prints 5% discount
	11 or more prints—10% discount
** Vendor No. 62.65	12-25 prints — 5% discount
	26-50 prints —10% discount
	51 or more prints—15% discount
** Vendor No. 62.8	On orders of five or more release prints—25% discount
	Replacement prints —30% discount
** Vendor No. 62.85	10% discount on order of \$2,500.00 or more
	15% discount on order of \$5,000.00 or more
** Vendor No. 64	10 or more prints of one subject at one time—10% discount
** Vendor No. 70.5	For more than 10 prints of any one title placed at one time the price is <i>less</i> \$1.50 per print.
** Vendor No. 72.08	1- 6 prints —\$50.00 each
	7-12 prints — 45.00 each
	13 or more — 30.00 each
** Vendor No. 72.14	5% discount on 10 or more of each film.
** Vendor No. 72.15	10- 19 prints— 5% discount
	20- 40 prints—7½% discount
	41-100 prints—10% discount
** Vendor No. 74.5	15% discount on orders of 6 or more prints.
** Vendor No. 76.3	Plus Shipping
	In lots of 25 prints or more—10% discount
*** Vendor No. 87	This is the discount price quotation for use of the films for a Five Year license. Price subject to change after two years.
** Vendor No. 88.7	5-15 prints—10% discount
	16 or more —20% discount
** Vendor No. 89.4	10% discount for 10 or more.
** Vendor No. 91.95	1- 10 prints—10% discount
	11- 25 prints—20% discount
	26- 50 prints—30% discount
	51-100 prints—40% discount
	101 and over —50% discount

LIST OF 16MM MOTION PICTURE FILMS—SOUND

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
1.5	ABC of Puppet Making I and II	2	746	Arts and Crafts	E-J	120.00	3	66
2.1	A Bout with a Trout	1	400	Sci.	E-J	50.00	1.15	63
2.15	A Family Affair The Library:	2	763	Lang. Arts	E-J-A-V	80.00	18.4	63
2.3	About the Human Body	1½	600	Health	6-9	90.00	21.4	65
2.31	About the Human Body (color) A boy's visit to doctor's office for physical check- up; various means of ex- amination used, involving discussion of impor- tant body systems. Ani- mation explores function and uses of bones, liga- ments, muscles; shows working of nervous, res- piratory, digestive and circulatory systems.	1½	600	Health	6-9	165.00	21.4	65
2.35	Above the Timberline	1½	576	Soc. St.	J-A	90.00	62.5	66
2.351	Above the Timberline (color) The film describes the climatic conditions of the Alpine tundra vegetation belt and examines the hardy plant and animal life that can survive the rigors of high altitudes and extreme tempera- tures.	1½	576	Soc. St.	J-A	175.00	62.5	66
2.37	Act of Faith The dramatic story of how the Danish people rescued virtually their en- tire Jewish population in World War II. An in- spiring example of "man's humanity to man."	3	1080	Soc. St.	J-A-Ad	135.00	20.5	67
2.4	Act Your Age	1½	500	Guid.	E-J-A-V	75.00	24.1	65
2.41	Act Your Age (color)	1½	500	Guid.	E-J-A-V	150.00	24.1	65
2.5	Action and Reaction	1	400	Sci.	J	50.00	1.15	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
2.51	Action and Reaction _____ Excellent production that proves Sir Isaac Newton's theory of action and reaction and its application to the jet propelled airplane.	1	420	Sci.	J-A-V	55.00**	62.5	63
2.55	Acts of Courtesy _____ This film stresses that getting along with others means thinking of the other fellow's feelings, his rights and what he will think of you and that these considerations result in acts of courtesy.	1	431	Guid.	E-J	60.00	62.5	65
2.6	Adams, John Quincy _____	2	629	Soc. St.	J	120.00	39	66
2.65	Adaptation of Plants and Animals _____	1¾	500	Sci.	E	75.00	24.1	63
2.66	Adaptation of Plants and Animals (color) _____ Describes plant and animal, adaptations to environment, for protection and feeding. Animals shown are beaver, squirrel, camel, porcupine, etc.	1¾	500	Sci.	E	150.00	24.1	63
2.67	Adaptive Radiation— The Mollusks _____	1½	650	Bio.-Zoo	A	90.00	39	67
2.671	Adaptive Radiation— The Mollusks (color) .. Animated drawings and live photography clearly illustrate the principal structures of the typical molluscan body plan. Shows how mollusks are adapted to specialized and different ways of life.	1½	650	Bio.-Zoo	A	180.00	39	67
2.68	Adding and Subtracting ..	1	400	Math.	E	60.00	59	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
2.681	Adding and Subtracting (color) _____ Presents primary grade number stories. It emphasizes how the numbers change with the action of the story and illustrates the corresponding arithmetic problem.	1	400	Math.	E	110.00	59	65
2.7	Adelie Penguins _____	2	867	Sci.	E	110.20	62.5	63
2.71	Adelie Penguins (color) _____ Life history of the penguin living in the Orkney Islands.	2	867	Sci.	E	200.20	62.5	63
2.77	Admiral Dewey's Victory at Manila _____ "You Are There" program with Ed. Murrow.	2½	1000	Soc. St.	J-A-V	135.00	62.5	64
2.79	Adobe Village (Mexico) _____ Adolescent Development	2	800	Soc. St.	E	110.00	89	64
2.81	Age of Turmoil _____	2	720	Gr. Guid.	J	120.00	62.5	64
2.82	Meeting the Needs of Adolescents _____	2	684	T.T.- Par. Ed.	J-A-V	120.00	62.5	64
2.83	Physical Aspects of Puberty _____	2	684	T.T.- Par. Ed.		120.00	62.5	64
2.84	Social Sex Attitudes in Adolescence _____	2	729	T.T.		120.00	62.5	64
2.88	Adventure in Science: The Size of Things _____	1	392	Sci.-Math.	J	60.00	43	65
2.881	Size of Things (color) _____ Explains the relationship between size and strength as a comparison between volume of structure and cross sectional area of load bearing members. Uses bug, beetle and elephant as examples.	1	392	Sci.-Math.	J	110.00	43	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
2.9	Adventure With Andy, An	1	360	Sci.	E	60.00	62.5	65
2.91	Adventure with Andy, An (color) _____ Andy is a baby orangutan (about two years old) who lives at the Bronx Zoo. This is the story of a day in his life, a day that begins with mis- haps.	1	360	Sci.	E	125.00	62.5	65
2.95	Adventures of a Baby Fox A story in rhyme, Young fox plays in forest by lake; eats beetles, cater- pillar, egg, forest sounds and flowers.	1½	473	Lang. Arts	Prim.	75.00	39	66
3	Adventures of Bunny Rabbit _____	1	400	Lang. Arts	E	60.00	39	64
3.02	Adventures of a Chipmunk Family _____	1	400	Sci.	K-6	60.00	39	65
3.03	Adventures of A Chipmunk Family (color) _____ Story of chipmunk fam- ily and young babies from early spring to win- ter; training of newborn chipmunk babies; digging a burrow; collecting store of food.	1	400	Sci.	K-6	120.00	39	65
3.05	Adventures of Two Little Goats _____	1	400	Lang. Arts	Prim.	60.00	24.1	66
3.06	Adventures of Two Little Goats (color) _____ Twin kids explore the pasture and come upon a sheep, a turtle, a but- terfly. Children learn how goats look, what they eat, how they climb and jump.	1	400	Lang. Arts	Prim.	110.00	24.1	66
3.1	Adventures of Willie Skunk _____	1	380	Sci. Lang. Arts	E	60.00	62.5	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length In feet	Subject	School Level	Price	Contr.	†
4	Adventuring in Conservation (color) _____ This film goes exploring with boys and girls as they discover nature's community and the balance that must be maintained among trees, small plants, birds, insects and other animals.	1½	535	Sci.	8-14e	150.00	57.3	65
4.2	Adventuring Pups _____	1	340	Lang Arts	E	57.50	62.5	64
5.1	Africa (Set of 2) _____ Animals of East Africa Natives of East Africa One reel is devoted to African animal life, the other to African native life and culture.	2	700	Soc. St.	E-J-A-V	250.00	20.3	66
5.2	Africa Is My Home _____	2	780	Soc. St.	J	120.00	1.37	66
5.21	Africa Is My Home (color) _____ Through the life history of an African girl, from birth through marriage, these problems are presented: tradition vs. progress, Islam vs. Christianity, independence vs. colonialism.	2	780	Soc. St.	J	200.00	1.37	66
6	Age of Specialization _____ Provides illustrations showing increased specialization in many jobs and professions.	2	800	Soc. St.	J-A-V	75.20	62.5	63
Ages and Stage Series:								
10	He Acts His Age _____	1½	468	Guid.	J	75.00	62.5	67
10.1	He Acts His Age (color) _____	1½	468	Guid.	J	145.00	62.5	67
10.11	Terrible Twos and Trusting Threes _____	2	720	Guid.	J-A-V	115.00	62.5	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
10.13	The Teens Joan and Barry O'Connor, fifteen year old brother and sister, and their friends serve to portray adolescent differences, similarities and concerns. Mr. and Mrs. O'Connor show how parents try to understand and guide their children constructively.	2½	970	Guid.-T.T.	J-A-V	140.20	62.5	63
10.14	Tens to Twelves This film shows the wide range of differences in personality and physical make-up among adolescent boys and girls, and illustrates the behavior common to groups of adolescents in our culture. Mr. and Mrs. Jones demonstrate how they respond, in the course of daily living, to both the individual and developmental differences in their three adolescents.	2½	948	Guid.-T.T.	E	140.20	62.5	63
10.16	Age of Discovery: English French & Dutch Exploration	1	400	Soc. St.	E-J	60.00	24.1	66
10.17	Age of Discovery: English, French & Dutch Exploration (color) The course of explorations by the French, English and Dutch following the Spanish and Portuguese is developed. The race for Asia's riches is outlined.	1	400	Soc. St.	E-J	110.00	24.1	66
10.23	Age of Discovery; Spanish & Portuguese Explorations	1	400	Soc. St.	E-A-J-V	60.00	24.1	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
10.24	Age of Discovery: Spanish & Portuguese Explorations (color)	1	400	Soc. St.	E-A-J-V	120.00	24.1	65
11.01	Air	1	366	Sci.	E	55.00	53	66
11.03	Air Age, The An overview of the spectacular history of aviation. Included are Spirit of St. Louis, radio, directional beam, safety devices, automatic pilots, instrument panel, airport, wind tunnels, jet propulsion, sound barrier and rockets for space travel.	1	450	Sci.	E-J	70.00	73.02	64
11.04	Air All About Us	1	400	Sci.	E	60.00	24.1	65
11.05	Air All About Us (color) ... A general beginning treatment of air and air pressure, logically and simply developed.	1	400	Sci.	E	120.00	24.1	65
11.1	Air All Around Us	1	378	Sci.	E	57.50	62.5	64
12.1	Air In Action	1	400	Sci.	E-J	50.00	24.1	64
13	Air In Motion Bernoulli's principle is explained by various interesting and simple experiments. This principle is then applied to an airplane in flight, to explain the motion of a plane.	1	420	Sci.	J-A	55.00**	62.5	63
13.3	Air Power Series: The Early Days Period leading up to World War I, the war on land, sea and in the air, authentic motion pictures of the Armies in action and the early air force, scenes from Armistice celebration and Treaty meetings.	2½	1000	Soc. St.	J-A-V	125.00	62.5	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
13.5	Air Pressure _____ Depicts effects of air pressure on the boiling point of water; shows many experiments which prove that air is a substance and exerts pressure because of its weight.	1	420	Sci.	J-A-V	55.00**	62.5	63
13.7	Airfreight _____	1½	600	Soc. St.	E-J	63.00	1.11	64
13.71	Airfreight (color) _____	1½	600	Soc. St.	E-J	125.50	1.11	64
14.04	Airplane Trip, An (2nd edition) _____	1	394	S.S.-L.A.	E-J	60.00	39	65
14.05	Airplane Trip, An (color) Joan, Judy and their pet dog fly from Chicago to San Francisco. They learn about people at the airport and about loading luggage and pets on plane.	1	394	S.S.-L.A.	E-J	120.00	39	65
14.12	Airplane Trip to Mexico, An (color) _____ Narrator explains the relationships between Mexican children and their American visitors. The children share numerous experiences such as eating together, teaching one another basic words, visiting the beach, horseback riding, sightseeing to public buildings, etc.	1	402	Soc. St.	E	120.00	39	64
14.2	Airplanes & How They Fly _____ Discusses the principles of aircraft flight and the function of aircraft controls, and illustrates various types of modern aircraft.	1	396	Sci.	5-6	60.00	62.5	67
14.22	Airplanes: How They Fly	1	392	Sci.	4-6	60.00	39	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
14.23	Airplanes: How They Fly (color) _____ Illustrates the functions of airplane's parts and principles of flight.	1	392	Sci.	4-6	120.00	39	64
15.2	Airplanes: Principles of Flight _____	1	400	Sci.	9	60.00	24.1	66
15.21	Airplanes: Principles of Flight (color) _____ Animation and in-flight photography demonstrates principles of flight. Four forces which control flight: lift, thrust, gravity, and drag are explained.	1	400	Sci.	Unit 1, 3	110.00	24.1	66
15.25	Airplanes Work For Us ..	1	400	Sci.	5-6	60.00	21.4	66
15.251	Airplanes Work For Us (color) _____ Dramatizes some common and uncommon uses of aircraft. Carrying of passengers, mail and freight, fire patrol, rescue work, weather patrol, construction of power lines and crop dusting. Air to ground communication, etc.	1	400	Sci.	5-6	110.00	21.4	66
15.4	Airport Activities	1½	600	Soc. St.	E-J	75.50	1.11	64
15.41	Airport Activities (color) ..	1½	600	Soc. St.	E-J	150.50	1.11	64
15.42	Airport-Passenger Flight 376	1½	600	Soc. St.	E	75.50	1.11	64
15.43	Airport-Passenger Flight 376 (color)	1½	600	Soc. St.	E	150.50	1.11	64
15.7	A1 In the Hospital	2	800	Guid.	E	104.00	28.14	63
	A1 has an accident and is taken to the hospital. He tells his classmates about his experience. The film is intended to lessen possible fears of children in anticipating a stay in the hospital.							

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
16.1	Alaska: A Modern Frontier (revised)	1	400	Soc. St.	E-J-A	50.00	24.1	65
16.11	Alaska: A Modern Frontier (revised) (color) Shows Alaska as a big new state undergoing rapid development and the ways of living and the problems faced in this "pioneer" land.	1	400	Soc. St.	E-J-A	120.00	24.1	65
16.15	Alaska: The 49th State	1½	590	Soc. St.	5-9	90.00	39	66
16.16	Alaska: The 49th State (color) Surveys Alaska's industries, cities, farms, scenery and climate, needs and resources, and considers problems involved in future development.	1½	590	Soc. St.	5-9	180.00	39	66
16.27	Alaska Today	3	950	Soc. St.	J-A-V	100.00	76.8	64
16.28	Alaska Today (color) A crosssection view of our newest state contrasting ultra modern Fairbanks and Anchorage with northern Eskimos conducting a white whale hunt.	3	950	Soc. St.	J-A-V	250.00	76.8	64
16.29	Alaska: U.S.A.	2	814	Soc. St.	E-J-A	110.00	3	67
16.291	Alaska: U.S.A. (color) A comprehensive study of Alaska, showing size, location, population, geography, and natural resources. Major cities, agricultural regions, transportation, communication and native plants and animals are shown.	2	814	Soc. St.	E-J-A	200.00	3	67
16.3	Alaskan Eskimo, The (color) Life in an Eskimo village including the activities of children and adults in work and leisure.	2¼	900	Soc. St.	E-J-A-V	300.00**	28	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
16.4	Alaska's Modern Agriculture	1½	535	Soc. St.	E-J-A	85.00	3	66
16.41	Alaska's Modern Agriculture (color) Struggles of early settlers and how modern methods are now being used. How World War II and Statehood brought a boom. Opportunities are discussed.	1½	535	Soc. St.	E-J-A	150.00	3	66
16.5	Alcohol and the Human Body	1½	487	H. Ed.	J-A-V	75.00	39	65
16.6	Alexander Learns Good Health	1	400	H. Ed.	E	60.00	24.1	66
16.61	Alexander Learns Good Health (color) Alexander learns to appreciate good health habits such as sleeping, eating, exercise, rest and cleanliness because he is unable to play baseball with his school team. Proper health habits enable Alexander to join his team and pitch the winning game.	1	400	H. Ed.	E	110.00	24.1	66
16.8	Ali and His Baby Camel ...	1	400	S. S., Sci.	E-J-A-V	60.00	1.37	64
16.81	Ali and His Baby Camel (color)	1	400	S. S., Sci.	E-J-A-V	100.00	1.37	64
17	All The Way Home Examines the confused reaction in a community when a Negro family stops in front of a house with a "for sale" sign. The film explores the contagion of unreason and the guilt and other feelings which are barriers against a solution of the integration problem.	3	1080	Guid. Soc. St.	J-A-V	150.00	30	65
17.2	Allen Is My Brother	1	397	Guid.-PE	E	50.00	21.4	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
17.21	Allen Is My Brother (color) _____	1	397	Guid.-PE	E	100.00	21.4	63
	A ten-year old girl has to take care of her two-year old brother when she wants to visit a friend. The film shows how a mother's realization of her own needs for assistance, coupled with an understanding of her daughter's feelings, leads toward growth of a more positive relationship between the two children and the cementing of family unity.							
18.1	Allergies _____	1	437	Bio.	J-A-V	60.00	39	63
18.11	Allergies (color) _____	1	437	Bio.	J-A-V	120.00	39	63
20.3	Alphabet _____	1	360	Lang.Art	A	100.00	89.45	66
	Traces the evolution of the letters A, B, C, D from their Semitic origin through their Greek and Roman forms to the forms we use today. Featured Dr. Frank Baxter.							
20.5	Alpine Wild Flowers _____	1	400	Sci.	5-6	110.00	21.5	66
	Color photography of wild flowers encountered on the slopes of Mt. Rainier and how they grow under Alpine conditions.							
21	Am I Trustworthy? _____	1	400	Guid.	E	60.00	24.1	66
21.01	Am I Trustworthy? (color) _____	1	400	Guid.	E	110.00	24.1	66
21.2	Amazon, The _____	2	770	Soc. St.	E-J	125.00	39	63
21.21	Amazon, The (color) _____	2	770	Soc. St.	E-J	240.00	39	63
	Depicts the foliage and life along the Amazon River. Shows a primitive people rapidly adopting the ways of modern living.							

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
21.25	Amazon Family Story of a rubber gatherers family in the tropical rain forest twenty-five hundred miles up the Amazon River. There is no narration only a musical score.	1½	666	Soc. St.	E-J-A-V	195.00**	58	67
21.3	Ameboid Organisms	3	1080	Bio.-T. T. Adv. Groups	C-L-C	150.00	62.5	66
21.31	Ameboid Organisms (color) Amebae, heliozia, foraminifera, radiolarea, myxomycetes, cellular and true slime molds discussed.	3	1080	Bio.-T. T. Adv. Groups	C-L-C	300.00	62.5	66
21.45	American Cargoes For Peace Shows need thruout world for American resources and products, and our part in world trade. Export goods help create goodwill and understanding among people overseas. Shows the merchant marine as the prime mover of export goods.	2	800	Soc. St.	J-A-V	165.00**	72.14	65
21.52	American Flag, The (2nd Ed.)	1½	511	Soc. St.	E-J	75.00	39	65
21.53	American Flag, The (2nd Ed.) (color) Featuring actual locations and dramatized events, this film documents the origin, growth and meaning of our national flag.	1½	511	Soc. St.	E-J	150.00	39	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
21.6	American Girl, An The story of a teen-age girl who is faced with the problem of anti-semitism, telling about her unwillingness to go along with the crowd, her struggle to resist community pressures, and her success in persuading the community to re-evaluate its own attitudes.	3	1080	Guid. Soc. St.	J-A-V	150.00	30	65
21.7	American Indians of Today	1½	566	Soc. St.	J-A-V	90.00	39	63
21.71	American Indians of Today (color) Different ways of life of the different American Indian tribes of today: Apache, Sioux, Seminole, Navaho. Their occupations and education.	1½	566	Soc. St.	J-A-V	180.00	39	63
American Literature								
21.8	Colonial Times	1	400	L. A., S. S.	E-J-A-V	60.00	24.1	64
21.81	Colonial Times (color)	1	400	L. A., S. S.	E-J-A-V	110.00	24.1	64
21.82	Early National Period	1	400	L. A.	J-A-V	60.00	24.1	64
21.83	Early National Period (color)	1	400	L. A.	J-A-V	110.00	24.1	64
21.84	Revolutionary Times	1	400	L. A.	J-A-V	60.00	24.1	64
21.85	Revolutionary Times (color)	1	400	L. A.	J-A-V	110.00	24.1	64
21.86	The Realists	1	400	L. A.	J-A-V	60.00	24.1	64
21.87	The Realists (color)	1	400	L. A.	J-A-V	110.00	24.1	64
21.9	American Pioneer, The	2	800	Soc. St.	E-J	100.00	1.15	63
23.04	American Revolution, The Presentation of the American Revolution showing actual documents and scenes interspersed with pictures from artistic portraits.	1½	560	Soc. St.	E-J	75.00	39	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
23.05	American Revolution (color) _____ Presentation of the American Revolution showing actual documents and scenes interspersed with pictures from artistic portraits.	1½	560	Soc. St.	E-J	150.00	39	65
23.1	American Square Dance ____	1	400	Health Ed.	E-J	50.00	24.1	65
23.2	American Square Dance (color) _____	1	400	Health Ed.	E-J	120.00	24.1	65
24.3	Amoeba _____	1	400	Bio.	J-A-V	55.00	89	64
24.5	Amphibians _____	1	400	Sci.	E	60.00	24.1	63
24.51	Amphibians (color) ____ Life of amphibians — frogs, toads salamanders. Presents characteristics—differences. Shows where and how they live, food changes. Frog is followed through its life cycle.	1	400	Sci.	E	110.00	24.1	63
24.57	Amphibians _____	1	388	Sci.	E-J	50.00	43	63
24.58	Amphibians (color) ____ Outlines the essential classification of amphibians as tailed amphibians, (salamanders) and tailless amphibians (frogs and toads). Gives distinguishing characteristics of each, variations within each order, and life cycle.	1	388	Sci.	E-J	100.00	43	63
24.8	An Academy of Sciences ... Scenes taken in a museum, showing the preparation and exhibition of scenes and dioramas of underwater life. Includes scenes taken in an aquarium, showing many fish such as sea cows, eels, etc.	1	290	Sci.	4-6	40.00	72.3	66
25.04	Ancient Rome _____	1	400	Soc. St.	A	60.00	24.1	66
25.05	Ancient Rome (color) ____	1	400	Soc. St.	A	110.00	24.1	66
25.06	Ancient Egypt _____	1	400	Soc. St.	J-A-V	60.00	24.1	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
25.07	Ancient Egypt (color)	1	400	Soc. St.	J-A-V	110.00	24.1	63
25.08	Ancient Greece	1	400	Soc. St.	J-A-V	60.00	24.1	63
25.09	Ancient Greece (color)	1	400	Soc. St.	J-A-V	110.00	24.1	63
25.1	Ancient Mesopotamia	1	400	Soc. St.	J-A-V	60.00	24.1	63
25.11	Ancient Mesopotamia (color)	1	400	Soc. St.	J-A-V	110.00	24.1	63
26.5	Ancient Orient, The Far East, The	1½	500	Soc. St.	J-A-V	75.00	24.1	63
26.51	Far East, The (color) The basic philosophy, geography and cultural developments of the main religions of the Far East are compared.	1½	500	Soc. St.	J-A-V	137.50	24.1	63
27.1	Ancient World Inheritance	1	400	Soc. St.	E-J	50.00	24.1	65
27.2	Ancient World Inheritance (color)	1	400	Soc. St.	E-J	100.00	24.1	65
27.3	And So They Grow	3	1060	Tch Tr.		75.00	20.4	65
27.31	And So They Grow (color)	3	1060	Tch Tr.		200.00	20.4	65
	Real life study of growth and learning of nine year old children in play program, highlighting the role of the leader. The values of the play activities are emphasized in terms of understanding the needs of children and the importance of working together.							
27.35	Andes (color)	1	400	Soc. St.	6-9	130.00	57.8	66
	A story of the effects of an unusual mountain range on the climate resources and boundaries of Chile.							
27.4	Andy and The Lion	1	374	L.A.	E	60.00**	91.95	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
27.41	Andy and The Lion (color) _____ Andy met the escaped lion from the visiting circus and removed a thorn from his paw. During a circus performance Andy saved the people from being hurt by the lion.	1	374	L.A.	E	120.00**	91.95	67
27.5	Angel of Mercy _____	1	400	Hm. Nurs. Child Care	A-V	30.00***	87	64
27.6	Angry Boy _____	3	1181	Tch. Tr.- Guid.- Parent Ed.		150.00	57.8	67
27.63	Animal Behavior _____	1	400	Sci.	E	50.00	1.15	63
27.66	Animal Friends _____	1	358	Sci.	E	60.00	43	67
27.67	Animal Friends (color) ____ The story of Kitten and Shep, a big white dog. Kitten and Shep are good friends, playing together, resting together and even eating together.	1	358	Sci.	E	110.00	43	67
27.68	Animal Habitats _____	1	387	E. Sci.	E	60.00	43	67
27.69	Animal Habitats (color) ____ Living things are fitted for the place in which they live. Land animals live on land and water animals live in water.	1	387	E. Sci.	E	110.00	43	67
27.7	Animal Homes _____	1	415	Sci.	E	60.00	21.4	65
27.71.	Animal Homes (color) ____ Film shows how birds, insects and animals build their homes and care for their young.	1	415	Sci.	E	110.00	21.4	65
27.72	Animal Homes _____ A wide variety of animal forms are depicted and, in each, its home is shown and some comments about the home.	1	385	Sci.	E	60.00	39	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
27.74	Animal Tracks and Signs	1	410	L. A.-Sci.	Elem.	60.00	39	67
27.741	Animal Tracks and Signs (color) _____ Shows that wild animals leave tracks and signs wherever they go, and that the animals can be identified by these tracks and signs.	1	410	L. A.-Sci.	Elem.	120.00	39	67
27.75	Animal Life at Low Tide (color) _____ A few of the many marine animals that live among the rocks at low tide are shown. These were the starfish, sea anemone, tube building worm, crab, limpet, sea urchin, sand crab, hermit crab and snail.	1	390	Sci.	E	110.00**	29	66
27.752	Animal Oddities _____ White Koala bears, albino kangaroo, bird boxing with cat, cow working pump, ape shining shoes, other examples of remarkable animal intelligence.	1	250	Sci.	J	35.00	72.3	66
27.753	Animal Raising, Hunting and Fishing _____ Stresses importance of animals to various peoples of the world as a means of transportation, food shelter, clothing and occupation.	2	800	Soc. St.	6-9	110.00	89	64
27.755	Animal Town of The Prairie _____	1	371	Sci.	3-6	60.00	39	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
27.756	Animal Town of The Prairie (color) Describes a community of prairie dogs, how they build their burrows, get their food, fare through the seasons and get along with other prairie animals such as skunks, ants, owls and rattlesnakes.	1	371	Sci.	3-6	120.00	39	65
27.758	Animals of Alaska (color) Intimate study (with maps showing habitats) of 15 wild animals: Dall sheep, moose, mountain goat, bear, ground squirrel, hoary marmot, sea lion, pilka, porcupine, seal, red fox, walrus, caribou, bison & musk ox.	1	383	Soc. St.	E	96.50**	70.5	64
27.76	Animals of the Indian Jungle (color) Animals of the jungle of Eastern India are shown in their natural environments. Included are references to the vegetation through variation and pictures. Animals shown are crocodiles, monkeys, tigers, vultures, python, cobra and mongoose.	1	371	Sci.	E	120.00	39	63
27.77	Animals With Backbones ...	1	400	Sci.	E	60.00	24.1	63
27.78	Animals With Backbones (color) Introduces the concept of classification used in studying the animal kingdom. The five classes of vertebrates are explained and illustrated.	1	400	Sci.	E	110.00	24.1	63
27.8	Animals & Their Foods ...	1	400	Sci.	E	60.00	24.1	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
27.81	Animals & Their Foods (color)	1	400	Sci.	E	110.00	24.1	66
	Presentation of animal eating habits, both domestic and wild. Those animals eating just plant food, those eating only meat and those eating both plant and meat are shown.							
27.82	Animals & Their Homes	1	400	Sci.	E	60.00	24.1	66
27.83	Animals & Their Homes (color)	1	400	Sci.	E	110.00	24.1	66
	Presentation of animals building homes in water, on the ground, in trees and underground. The functions of homes and how they are built are included.							
27.831	Animals and Their Homes	1	400	Sci.	2-4	57.50	62.5	64
27.832	Animals and Their Homes (color)	1	400	Sci.	2-4	125.00	62.5	64
	Like man, animals build homes for shelter and for raising young. This film shows the different kinds of nests built by many different birds. Also shown are homes of rats, spiders, wasps, bees, rabbits, beavers and prairie dogs.							
27.85	Animals at Work in Nature	1	385	E. Sci.	E	60.00	39	67
27.86	Animals at Work in Nature (color)	1	392	E. Sci.	E	120.00	39	67
	The different parts of animals are used to carry on the work of the form in question, e.g., the tail of the woodpecker is shown as a brace, the claws as climbing instruments.							
27.867	Animals Growing Up	1	420	L. A., Nat.	E	60.00	39	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
27.87	Animals of the Farm	1	400	Soc. St.	E	55.00	61.8	65
27.872	Animals in a Micro-universe	1	410	Sci.	J-A	60.00	22.5	67
27.873	Animals in a Micro-universe (color) Effectively serves as an introduction to the ecology of minute animals. The film clearly elaborates upon certain important biological concepts.	1	410	Sci.	J-A	120.00	22.5	67
27.875	Animals in Closeup The viewer participates in a guessing game involving animals at Bronx Park Zoo in N.Y. city. Must guess animal from close-up picture of one part of animal. Animals included are donkey, camel, zebra, elephant, turtle, alpaca, leopard, gorilla and others.	1	290	Sci.	K-6	40.00	72.3	66
27.879	Animals in Spring	1	379	Sci.	E	60.00	39	65
27.88	Animals in Spring (color) Many small animals in their natural environs during early spring. Birds, Peepers, Turtle, Tadpoles, Bluebird, Robin, Duck, Lunar Moth, Tent caterpillar, Quail, Squirrel, Owl, Martin, etc.	1	379	Sci.	E	120.00	39	65
27.889	Animals in Summer	1	400	Sci.	E	60.00	39	65
27.89	Animals in Summer (color) Some common animals of woods during summer months; seeking food and and sheltering their young.	1	400	Sci.	E	120.00	39	65
27.9	Animals in Winter	1	384	Sci.	E	60.00	39	66
27.901	Animals Protect Themselves	1	400	Sci.	2-4	60.00	24.1	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
27.902	Animals Protect Themselves (color) Billy, his father, and their dog, take a walk through the woods and discover ways animals have of protecting themselves from enemies.	1	400	Sci.	2-4	110.00	24.1	66
27.905	Animals Through The Winter	1	396	Sci.	3-6	57.50	62.5	64
27.906	Animals Through The Winter (color) Explains the ways in which animals meet the problems of life in winter migration, hibernation, food storage, heavy fur or other covering.	1	396	Sci.	3-6	125.00	62.5	64
27.93	Animals in Autumn	1	373	Sci.	E	60.00	39	63
27.94	Animals in Autumn (color) A general survey of the animals of the United States in their preparation for winter by eating food, storing food, changing color, and migrating.	1	373	Sci.	E	120.00	39	63
27.95	Animals—Ways They Eat	1	405	E. Sci.	E	60.00	39	67
27.96	Animals—Ways They Eat (color) A summary of the different ways in which different animals obtain their food and eat it. The adaptations are shown as feet, claws, wings, legs, bills, etc. on the various animals actually getting and eating food.	1	405	E. Sci.	E	120.00	39	67
27.97	Animals—Ways They Move	1	410	E. Sci.	E	60.00	39	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
27.98	Animals—Ways They Move (color)	1	410	E. Sci.	E	120.00	39	67
	A variety of animals and how they move. In each case the animal is shown, and the part used in locomotion.							
27.99	Animals Move In Many Ways	1	392	Sci.	E-J	60.00	43	66
27.991	Animals Move In Many Ways (color)	1	392	Sci.	E-J	110.00	43	66
	Illustrates a few of the many different ways in which living things move about. Some hop on two legs, some leap on four legs, some walk on six legs, some swim and some fly.							
27.992	Animals That Fly	1	390	Sci.	3-6	60.00	43	66
27.993	Animals That Fly (color)	1	390	Sci.	3-6	110.00	43	66
	Presents the three groups of animals capable of flight: the insects, birds, and bats. The film considers the shape and structure of different animal wings and how they move them up and down.							
27.994	Animals Useful To Man	1	400	Sci.	K-4	60.00	39	66
27.995	Animals Useful to Man (color)	1	400	Sci.	K-4	120.00	39	66
	Traces the contributions animals have made from primitive times down to the present day.							

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
27.997	Ankara and Central Turkey (color) Compares ancient warlike Turkey with the modern Turkey which seeks peace and international cooperation. Covers the geographical, cultural, economic and governmental aspects of the nation.	1	370	Soc. St.	E-J-A	130.00	57.8	67
28	Anna Karenina One of the greatest novels of all time translated to film with the timeless artistry of Greta Garbo, Frederick March, Basil Rathbone. Not only a superb aid to the study of world literature, but an ideal illustration of problems in personal and family relationships.	4	1500	Lang. Art	A	240.00***	39	66
28.05	Annapurna Documentary of the ascent and the descent of Annapurna. The historical conquest of this Himalaya mountain by Maurice Herzog and his team was a spiritual as well as physical adventure.	6	2052	Soc. St. Lang. Art CLC	J-A-V	295.00	12	64
28.4	Answering The Child's Why Why	1½	494	Tch. Tr.		75.00	39	66
28.41	Anthony, Susan B.	1½	687	Soc. St.	E-J-A-V	120.00	39	67
28.45	Ant City	1	400	Sci.	E	50.00	1.15	66
28.5	Ants	1	385	Sci.	E-J	60.00	39	65
28.6	Antibiotics	1½	504	Bio.	J-A-V	75.00	39	63
28.61	Antibiotics (color)	1½	504	Bio.	J-A-V	150.00	39	63
28.7	Anyone At All	2	803	Safety	J-A-V	120.00	39	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
28.71	Anyone At All (color) — Common accidents lead aroused communities to organize local safety councils. "Safety must be worked for—planned for."	2	803	Safety	J-A-V	240.00	39	65
29	Apache Indian (color) —	1	400	Soc. St.	E	100.00	24.1	67
30.4	Appreciating our Parents —	1	400	Guid.	E	60.00	24.1	66
30.41	Appreciating our Parents (color) —	1	400	Guid.	E	110.00	24.1	66
30.45	Apryl and Her Lamb —	1½	472	Lang. Arts	Prim.	70.00	1.37	67
30.46	Apryl and Her Lamb (color) — The story of a little girl and a lost lamb—how she takes care of him until she finds the owner.	1½	472	Lang. Arts	Prim.	130.00	1.37	67
30.5	Aquarium Wonderland (color) — The film describes how one can properly set up an aquarium for a gold-fish; the parts of the body and feeding habits are also shown.	1	374	Sci.	E	110.00**	29	66
30.505	Arab Middle East —	1½	576	Soc. St.	A	90.00	62.5	67
30.506	Arab Middle East (color) — The countries of the Middle East are presented both as a unit and individually in this comprehensive view.	1½	576	Soc. St.	A	175.00	62.5	67
30.51	Arab Village —	1	387	Soc. St.	E-J	50.00	62.5	63
30.52	Arab Village (color) — Depicts life in the village of Merj, a rural settlement in Lebanon, and the progress made through irrigation, co-operative planning and work, and medical care.	1	387	Soc. St.	E-J	100.00	62.5	63
30.55	Arabian Bazaar (color) —	1	336	Soc. St.	E	120.00	39	64
30.58	Arabian Children —	1½	553	Soc. St.	E	90.00	39	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
30.59	Arabian Children (color) ... The life of an Arabian family. Home, religion, transportation and custom.	1½	553	Soc. St.	E	180.00	39	65
30.69	Archery for Girls	1	400	H. Ed.	A	60.00	24.1	66
30.70	Archery for Girls (color)	1	400	H. Ed.	A	110.00	24.1	66
30.75	Archery Fundamentals	1	407	Health	A-V	60.00	3	66
30.751	Archery Fundamentals (color) For beginners to learn proper methods of choosing and using shooting equipment. Demonstrations by men and women in shooting, sighting, and releasing arrows are shown.	1	407	Health	A-V	120.00	3	66
30.79	Archimedes' Principle Archimedes' principle is explained by a series of simple experiments.	1	420	Sci.	J-A-V	55.00**	62.5	63
30.81	Architecture West (color)	2	800	Art	A	175.00	1.8	66
30.82	Architecture Mexico	2	800	Art-Lang.	J-A-V	90.00	1.8	64
30.83	Architecture Mexico (color)	2	800	Art-Lang.	J-A-V	175.00	1.8	64
31.1	Arctic Borderlands in Winter	1	400	S.S., Sci.	E	50.00	24.1	64
31.2	Arctic Borderlands in Winter (color)	1	400	S.S., Sci.	E	100.00	24.1	64
31.22	Arctic Seal Hunt	1	435	Sci.	E	60.00	3	66
31.23	Arctic Seal Hunt (color) ... A fascinating film depicting the Eskimo's search for food, shelter, and clothing.	1	435	Sci.	E	110.00	3	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
31.24	Arctic Supercharged Sunshine (color)	1	400	Soc. St. Sci.	5-6	100.00	1.8	67
	Arctic sunshine thaws frozen river and sends huge boulders of ice roaring to sea. During brief summer produces variety of flowers and plants, vegetables.							
31.25	Are Manners Important? ..	1	405	Guid.	E	60.00	39	65
	Relationship between courtesy and laws and customs. Stresses fact that courtesy is a way of showing consideration and regard for people.							
31.3	Are You A Good Citizen?	1	400	Civics	E-J-A-V	60.00	24.1	65
31.4	Are You a Good Citizen? (color)	1	400	Civics	E-J-A-V	120.00	24.1	65
31.5	Are You Popular? (new)	1	400	Guid.	A-V	60.00	24.1	64
31.6	Are You Popular? (new) (color)	1	400	Guid.	A-V	110.00	24.1	64
	Caroline and Wally are friendly, considerate, and interested in other people. Their examples are a helpful guide to the personal and social problems commonly faced by teenagers.							
31.65	Are You Positive	1½	600	H. Ed.	J-A-V	100.00	24.7	65
	The cartoon film presents vital facts about tuberculosis and imparts a thought-provoking message about the importance of TB today.							
31.71	Are You Ready For Marriage?	1½	600	Guid.	A	90.00	24.1	65
31.72	Are You Ready For Marriage? (color)	1½	600	Guid.	A	180.00	24.1	65
32.1	Argentina People of The Pampas	1½	581	Soc. St.	E-J	90.00	39	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
32.11	Argentina People of The Pampas (color) Through colorful and vivid pictures of life on an estancia (estate, the economic importance of the pampas as source of beef and wheat for world is shown.	1½	581	Soc. St.	E-J	180.00	39	63
32.5	Aristotle & The Scientific Method	1¼	500	Sci.	7- (1, 1h)	75.00	24.1	65
32.51	Aristotle & The Scientific Method (color) Presents Aristotle's contributions to scientific knowledge, emphasizing his work in the biological sciences and his development of the scientific method.	1¼	500	Sci.	7- (1, 1h)	150.00	24.1	65
32.7	Arithmetic: Understanding the Problem	1	400	Math.	E-J	60.00	24.1	67
32.71	Arithmetic: Understanding the Problem (color) Points out importance of understanding problem before attempting to solve; offers practical approach in dealing with word problems. Steps to follow are identified.	1	400	Math.	E-J	110.00	24.1	67
33.3	Around The World In New York	1½	442	Soc. St.	E-J	66.00	85	63
33.31	Around the World In New York (color) Shows the many "old World" national groups in the population of New York City—and contrasts them with the completely assimilated younger generation.	1½	442	Soc. St.	E-J	140.00	85	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
35.1	Arrowsmith _____ Sequence depicting the testing of the serum for bubonic plague.	1	400	L. Arts Sci.	A-V	30.00***	87	67
35.5	Art And Life In Italy _____	1	400	Art	A-V	60.00	24.1	63
35.51	Art And Life In Italy (color) _____	1	400	Art	A-V	110.00	24.1	63
35.52	Art And Motion _____	1½	581	Art	J-A-V	150.00	39	63
35.7	Art And You _____	1	378	Art	J-A	50.00	43	64
35.71	Art And You (color) _____ A sensitive comparison between moods of nature and the artist's interpretation of them.	1	378	Art	J-A	100.00	43	64
35.8	Art Director, The _____ Indicates the research required for authenticity in setting and backgrounds, and the steps in the creation and construction of the motion picture set.	1	400	English	J-A-V	17.50***	87	67
36.05	Art In The Western World (color) _____ This is superb in color and through viewing the treasures in the National Gallery, the student is given an overview of painting from early times to the present.	3	1038	Art	J-A	390.00	39	64
36.08	Art of Metal Sculpture, The (color) _____ The steps in the process, from initial plan to finished product, and clearly and imaginatively visualized.	2	801	Art	J-A-V	190.00	73.5	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
36.13	Arthropods: Insects and Their Relatives (color) Through close-ups, and drawings, camera reveals major physical characteristics which identify the arthropods, the largest animal grouping. Examples of the four main classifications are studied.	1	400	Sci.	J-A	110.00	24.1	66
36.15	Article 55 The film illustrates the services rendered by the United Nations technical assistance program in assisting the Bolivians to improve their economy.	1	350	Soc. St.	J-A-V	32.50	24.04	64
36.5	Artisans of Florence	1½	720	Soc. St.	E-J-A-V	115.20	62.5	63
36.6	Artist's Proof (color) Film is a survey of the great artist's who have used the print media since the middle ages with demonstrations by modern printmakers of the techniques.	1	900	Art. Voc.	A-V-Ad.	200.00	24.04	67
36.8	Arts and Crafts of Mexico —Part I	1½	510	Soc. St.	J-A	75.00	39	67
36.81	Arts and Crafts of Mexico —Part I (color) Shows an Indian woman making pottery of the same type that was made before Columbus discovered America. You will watch the fashioning of exquisite Talavera ware in Puebla.	1½	510	Soc. St.	J-A	150.00	39	67
36.82	Arts and Crafts of Mexico —Part II	1	400	Art Soc. St.	J	75.00	39	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
36.821	Arts and Crafts of Mexico —Part II (color) _____ Shows why handicrafts still flourish in Mexico. Visualizes Mexican village life. Explains how Spanish & Indian cultures blended. Arts & crafts of Mexico are studied.	1	400	Art Soc. St.	J	150.00	39	67
37.1	Arts and Crafts of Norway _____	1½	432	Soc. St.	E-J-A-V	60.00	85	63
37.11	Arts and Crafts of Norway (color) _____ A presentation of pottery making, enameling, silvercraft and tapestry weaving in Norway.	1½	432	Soc. St.	E-J-A-V	127.50	85	63
37.5	Artur Rubinstein #101 ____	1	899	Music	J-A-V	200.00	**62.8	64
37.51	Artur Rubinstein #102 ____	1	897	Music	A	200.00	**62.8	64
37.52	Asexual Reproduction _____	1	360	Bio.	A-V	50.00	57.3	65
37.53	Asexual Reproduction (color) _____ Describes various methods of asexual reproduction. Compares basic difference between asexual and sexual reproduction.	1	360	Bio.	A-V	100.00	57.3	65
37.541	Asian Earth _____	2	800	Soc. St.	J-A-V	120.00	1.37	66
37.542	Asian Earth (color) _____ The story of a Hindu family in the Lower Ganges Valley as they make use of their environment in procuring shelter, clothing, food, etc.	2	800	Soc. St.	J-A-V	200.00	1.37	66
37.56	Assassination of Julius Caesar _____ Assassination of Julius Caesar—"You Are There Series."	2½	1000	Lang. Art	A	135.00	62.5	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
37.58	Assignment Children (color) An explanation of the work of UNICEF by showing examples of its effects in local communities in the Far East.	2	700	Soc. St.	J-A-V	75.00	88.95	67
37.59	Assignment India Part II Presents examples of the vigorous programs in agriculture, industry and education geared to raise India's standards of living.	2¼	1087	Soc. St.	A-V	150.00	39	64
37.592	Asteroids, Comets and Meteorites	1	403	Sci.	5-6	60.00	43	66
37.593	Asteroids, Comets and Meteorites (color) Shows how astronomers have learned about the minor members of the solar system, what each group looks like, and the place of each in the solar system.	1	403	Sci.	4-6	110.00	43	66
37.595	Astronomer, The (color) Presents a picture of the methods and tools used by day astronomers and visualizes the relationship of objects in space.	1½	588	Sci.	J-A C-L-C	175.00	57.8	66
37.61	Ataturk, The Father of Modern Turkey Story of Mustapha Kemal Ataturk, the man who almost single-handedly led Turkey out of the Middle Ages into the 20th Century, as one of the emerging nations after World War I.	3	1080	Soc. St.	A	135.00	62.5	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
37.64	Atlantic Region, The Locates the Atlantic Region of Canada; and describes industries such as fishing, lumbering, farming, coal mining, iron and steel.	2	795	Soc. St.	E	80.00**	64	63
37.65	Atmospheric Pressure Historical study of developments in the scientific study of the mechanics of the earth's atmosphere; early experiments with the barometer and the famous Magdeburg spheres; modern applications of air pressure.	1	379	Sci.	J	60.00	39	66
37.7	Atom and Industry 1	381	Physics	A-V	60.00	39	63	
38	Atom and Biological Science 1 Applications of atomic energy and radiation to problems in biology. Among the topics discussed are applications to genetics, cancer, tracers, radiobiology and atomic reactor.	420	Bio Sci.	A-V	60.00	39	65	
38.61	Atom, The 1	400	Sci.	J	55.00	1.15	67	
38.62	Atoms For Peace 1 Visits to various atomic plants in the U.S. and Canada. Chalk River, Ontario; Argonne National Laboratory in Chicago; Hanford, Washington; Oak Ridge, Tennessee. Peacetime use of atomic energy.	290	Sci.	9th— Unit IV	40.00	72.3	66	
38.627	Atomic Energy—Inside The Atom 1½	515	Sci.	9th-Unr. 4	75.00	39	67	

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
38.628	Atomic Energy—Inside The Atom (color) An illustration of the throwing of a small amount of matter by the atoms making up the radium numbers on a wrist watch dial, shows us the action of one radioactive atom.	1¼	515	Sci.	9th-Un. 4	150.00	39	67
38.63	Atomic Radiation	1	450	Sci.	J-A-V	60.00	39	64
38.65	Atomic Time Table (Pt. 1) A kinescope of the CBS television series of "See It Now," describing the problems of developing nuclear reactors. Such personalities as Admiral Rickover, Dr. Teller, Dr. Connelly are inter- viewed on nuclear energy and world problems.	5	1980	Sci.	A	225.00	62.5	64
38.66	Atomic Time Table (Pt. 2) The general problem of atomic radiation and fall- out discussed by many important figures in sci- ence. Genetics, medical plications, problem of war, scientific research, as well as political impli- cations are developed. Such figures as Muller, Libby and Pauling are presented. Applications of atomic energy radia- tion complete the presen- tation.	8	2988	Bio. Sci. Phys.	A	300.00	62.5	64
38.7	Attitudes and Health	1	400	H. Ed.	A-V	60.00	24.1	65
38.8	Attitudes and Health (color)	1	400	H. Ed.	A-V	120.00	24.1	65
38.85	Audio-Visual Materials in Teaching	1¼	500	Tch. Tr.		75.00	24.1	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
38.86	Audio-Visual Materials in Teaching (color) Integration of audio-visual materials into a unit is demonstrated as we see the work of the teacher and audio-visual center in coordinating efforts to bring rich learning experiences to the classroom.	1½	500	Tch. Tr.		137.50	24.1	66
38.9	Audio-Visual Supervisor, The The relatively new and rapidly growing professional field—Audio-Visual Education—is surveyed in this color film. Day by day objectives and responsibilities of the audio-visual department are presented in detail.	2	677	Tch. Tr.	A-V	205.00	57.8	65
38.93	Australia A comprehensive view of Australia: its physical features, its people, agriculture and industry, ways of living, and its problems—economic and social.	2	790	Soc. St.	E-J	120.00	39	65
38.94	Australia (color) A comprehensive view of Australia: its physical features, its people, agriculture and industry, ways of living, and its problems—economic and social.	2	790	Soc. St.	E-J	240.00	39	65
38.96	Australia: The Land and The People Shows continents, climate and major economic activities. Stresses British heritage of the English speaking Australians.	1½	600	Soc. St.	E-J	90.00	24.1	63
38.97	Australia: The Land and The People (color) Shows continents, climate and major economic activities. Stresses British heritage of the English speaking Australians.	1½	600	Soc. St.	E-J	165.00	24.1	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
41	Autoharp, The _____ Music consultant shows teacher how to use new autoharp; shows chords; combinations; strumming technique, etc. Quite technical.	2	700	Music	T. T.	95.00	59	66
41.02	Automation _____ Edward R. Murrow and others comment as his cameras survey examples of automation at work, experts are interviewed on implications of these new developments for the future.	8	3031	Soc. St.	J-A-V	275.20	62.5	63
41.03	Automobiles _____ With many diagrams and with many simple experiments, the principle of the gasoline motor in automobiles is explained.	1	420	Sci.- A. Mech.	J-A-V	55.00**	62.5	63
41.05	Auto's First 70 Years, The How the combined genius of many men created the giant automobile industry as we know it today.	1	250	Soc. St.	E-J-A	35.00	72.3	65
41.1	Autumn _____	1	400	Sci.	J	50.00	1.15	66
41.11	Autumn Is An Adventure	1	400	Soc. St.	E	60.00	24.1	63
41.12	Autumn Is An Adventure (color) _____	1	400	Soc. St.	E	110.00	24.1	63
41.2	Autumn On The Farm (color) _____	1	398	Soc. St.	E	120.00	39	64
41.25	Autumn Pastorale (color) Two children walk through autumn woods, toss branches, scuff leaves, blow milkweed seeds to background music.	1	370	Lang. Arts	E	100.00	73.5	66
41.3	AV Restaurant _____	1	400	French	A-V	60.00	46.5	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
41.33	Axioms In Algebra (color) Acquaints the student with four basic axioms of algebra, specifically the addition, subtraction, multiplication and division axioms.	1½	470	Math.	J-A-V	145.00	57.8	66
41.35	Aztecs, The _____	1	400	Soc. St.	E-J-A-V	60.00	24.1	65
41.36	Aztecs, The (color) _____ Historical background of Aztecs; customs, evidence of high cultural development; achievements in government, architecture, science.	1	400	Soc. St.	E-J-A-V	120.00	24.1	65
41.5	Baby Animals _____	1	338	El. Sci.	E	60.00	62.5	64
41.6	Baby Meets His Parents ...	1	382	Nursing	A-V	60.00	39	64
41.8	Baby Sitter _____	1½	550	H. Ed.	E-J-A-V	85.00	62.5	65
41.9	Babes In The Woods _____	1	400	Sci.—Nat.	E	50.00	1.15	63
41.95	Back Stroke _____ Shows a series of techniques used in the teaching of the backstroke.	1	307	H. Ed.	E-J-A-V	55.00	57.8	64
41.98	Background of The Civil War _____	2	730	Soc. St.	J	110.00	43	65
41.981	Background of The Civil War (color) _____ Beginnings of the Amer. Civil war lie buried in the difference between the North and the South. The South developed into a great agricultural region. The North developed into a great commercial region. Each section tried to control the Federal government.	2	730	Soc. St.	J	200.00	43	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	1
42	Backyard Artist, The (color) Two boys interested in drawing birds build a bird feeder and bird house in their backyard in order to attract birds. Boys are pictured sketching a blue jay, gold fish, humming bird and sparrows.	1	367	Art	E	100.00**	29	65
42.05	Bacteria A broad coverage of the topic of bacteria with greater development of the material than usually found in the secondary school.	3	1080	Bio.-T.T. Adv. Groups	C-L-C	150.00	62.5	66
42.06	Bacteria (color) A broad coverage of the topic of bacteria with greater development of the material than usually found in the secondary school.	3	1080	Bio.-T.T. Adv. Groups	C-L-C	300.00	62.5	66
42.1	Bacteria—Friend and Foe	1	380	Sci. Bio.	J-A-V	60.00	39	65
42.11	Bacteria—Friend and Foe (color) The types, growth, uses and laboratory culture of bacteria. The relationship of bacteria to work on spontaneous generation; the germ theory of disease, etc.	1	380	Bio.	J-A-V	120.00	39	65
42.4	Bacteria—Laboratory Study	1	530	Bio.- Gen. Sci.	J-A-V	75.00	57.3	64
42.41	Bacteria—Laboratory Study (color) Presents characteristics and common activities of bacteria, demonstrates proper laboratory methods for studying bacteria, and illustrates methods of controlling bacteria.	1	530	Bio.	J-A-V	150.00	57.3	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
42.6	Badger's Bad Day, A (color)	1	408	Sci.	K-3	115.00**	53.65	65
	A badger discovers how skunks defend themselves—then suffers a series of resultant misadventures with other animals—illustrating the importance of scent in animal relationships.							
42.81	Badminton Fundamentals ..	1	400	H. Ed.	A-V	60.00	24.1	66
42.82	Badminton Fundamentals (color)	1	400	H. Ed.	A-V	110.00	24.1	66
43.2	Balance In Nature (color)	1½	600	Sci.	A CLC	170.00	72.11	65
	The life cycles of aphids and their relentless enemies, ladybird beetles. Full-screen ovoviviparous reproduction of aphid. Outstanding microscopic photography in color—NATURAL CONSERVATION.							
43.25	Balance Your Diet For Health and Appearance	1	400	H. Ed.	J-A-V	60.00	24.1	66
43.26	Balance Your Diet For Health and Appearance (color)	1	400	H. Ed.	J-A-V	110.00	24.1	66
	Jane, Bill, and Fred analyze their eating habits and discover weaknesses in their diets. Seven basic food groups are presented and illustrated.							
43.28	Balancing Forces	1½	486	Sci.	8th-Unit 3 7th-Unit 2 1c	135.00	89	67
	Explains meaning of center of gravity and inertia, and how inertia and motion applied to whirling bodies determine balance and stability.							

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
43.3	Bali Today	1	386	Soc. St.	J	60.00	39	67
43.4	Baltimore Plan (color)	2	744	Soc. St.	J-A-V	120.00	39	64
44.1	Baseball Catching	1	404	H. Ed.	J-A-V	62.50	45	65
44.11	Baseball Catching (color) .. This film demonstrates the technique and strate- gy in catching.	1	404	H. Ed.	J-A-V	125.00	45	65
44.2	Baseball, Catching In	1	387	H. Ed.	E-J-A-V	60.00	39	63
44.3	Baseball, Hitting In	1	404	H. Ed.	E-J-A-V	60.00	39	63
44.35	Baseball Pitching	1	448	H. Ed.	J-A-V	62.50	45	65
44.36	Baseball Pitching (color) .. This film demonstrates the technique and strate- gy in pitching.	1	448	H. Ed.	J-A-V	125.00	45	65
44.4	Baseball, Throwing In	1	400	H. Ed.	E-J-A-V	60.00	39	63
44.41	Basic Court Procedures	1½	500	Soc. St.	A-V	75.00	24.1	65
44.42	Basic Court Procedures (color)	1½	500	Soc. St.	A-V	150.00	24.1	65
44.48	Basic Elements of Production	1½	471	Soc. St.	J-A-V	75.00	39	66
	Shows in detail how the component parts of pro- duction — Natural re- sources, labor, capital and management are com- bined efficiently to give high quality productivity.							
44.5	Basic Fibres In Cloth	1	400	Textiles, Applied— Chem.	A-V	50.00	24.1	64
44.6	Basic Fibres In Cloth (color)	1	400	Textiles, Applied— Chem.	A-V	100.00	24.1	64
44.9	Basic Movement (color) .. Simple arrangements of basic exercises for groups to gain flexibility, ease of movement and improve the silhouette.	1	400	Health	J-A-V	95.00	61.9	66
44.95	Basic Theory of Heat I	1½	545	Sci.	J	75.00	21	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
44.951	Basic Theory of Heat I (color This film deals with theory, instruments used to demonstrate the differ- ence between heat con- tent and temperature.	1½	545	Sci.	J	150.00	21	67
45.1	Basketball, Ball Handling In	1	334	Health Ed.	E-J-A-V	60.00	39	63
45.2	Basketball, Defense Footwork In	1	346	Health Ed.	E-J-A-V	60.00	39	63
45.21	Basketball, Fundamentals of	1¼	500	Health Ed.	A-V	62.50	24.1	66
45.3	Basketball, Shooting In	1	356	Health Ed.	J-A-V-E	60.00	39	63
45.33	Basketball For Boys: Fundamentals Demonstrates basic fun- damentals of basketball, such as ball handling and footwork. Uses anima- tion plus live scenes, slow motion, etc.	1	400	Health	J-A-V	60.00	3	65
45.34	Basketball For Boys: Teamplay Five-man offense with one and two man action with a set play based upon these actions. De- fensive play progress from defensive triangle to full team cooperation.	1	416	Health	J-A-V	60.00	3	66
45.48	Bastions of Freedom Valley Forge and Fort Ticonderoga are shown in this filmed visit, and their parts in the winning of America's freedom are recounted.	1	250	Soc. St.	E	35.00	72.3	65
45.5	Battery Electricity The film shows the na- ture of electricity and the basis of a battery that produces electric current.	1	420	Sci.	E-J-A-V	55.00**	62.5	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
46	Batting Fundamentals	1	400	Health	Ed. E-J-A-V	50.00	24.1	67
46.2	Battle of The Bugs Shows ways in which aphids, a destructive family of insects, are destroyed by their natural enemies.	1	395	CLC	E-J	110.00**	62.65	67
46.3	Bauernvolk In Den Bergen	1	400	German	A-V	65.00	21.4	66
46.31	Bauernvolk In Den Bergen (color) A German language film describing the life, work and play in a typical Alpine village and farm. Narration by native German.	1	400	German	A-V	115.00	21.4	66
46.6	Be Your Own Traffic Policeman	1	360	Safety	E-J	55.00	73.5	63
46.61	Be Your Own Traffic Policeman (color) A graphic animation presentation to help children develop safe attitudes in traffic. The importance of learning and following the traffic rules is in direct accord with the Best Route Program used in New York City.	1	360	Safety	E-J	95.00	73.5	63
48	Bear and Its Relatives	1½	600	Nature	E	75.00	24.1	67
48.1	Bear Country (color) Shows life cycle of the bear from winter hibernation through summer months; compares hibernating bear with non-hibernating animals, such as deer, mouse and gopher. Shows care of the young cub through maturation period to independent state.	3	1188	Sci.	K-6	300.00**	28	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
48.31	Beauty and The Blade Review of figure skating techniques. Solo demonstrations by Dick Button and Barbara Ann Scott.	1	400	Phy Act.	E-J-A	30.00***	87	67
48.42	Beaver (color)	1	389	Sci.	E	120.00	39	66
48.43	Beaver Dam (color) About the busy beaver and the problems he creates when flooding a farmer's hay field. The farmer wants to shoot the industrious animal, but his sons find a way to save the beaver and drain the field. Unusual shots showing how the beaver builds his dam.	1	640	Sci.- Soc. St.	E-J	150.00	24.04	67
48.6	Beethoven and His Music.....	1½	500	Music	J-A	75.00	24.1	64
48.61	Beethoven and His Music (color)	1½	500	Music	J-A	137.50	24.1	64
49.01	Beginning Good Posture Habits	1	400	Health	Ed. E	60.00	24.1	63
49.02	Beginning Good Posture Habits (color) Two primary grade boys discover through comparing heights, that the way they stand makes a difference in how tall they look. The class discusses and learns what good posture is and how it affects body growth.	1	400	Health	Ed. E	110.00	24.1	63
49.04	Beginning Music Reading	1	475	Music	TT	75.00	3	67
49.05	Beginning Music Reading (color) An elementary school class learns the rudiments of reading music.	1	475	Music	TT	130.00	3	67
49.06	Beginning Responsibility Being on Time	1	400	Guid.	E	60.00	24.1	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
49.07	Being on Time (color) When Jimmy misses out on things through being late, he observes firemen and train engineers and realizes how important it is to come when called and to be prompt. He learns to get ready in advance and to estimate by trial-runs how long he will need to do things.	1	400	Guid.	E	110.00	24.1	63
49.071	Books and Their Care	1	372	Guid.	E	60.00	24.1	65
49.072	Books and Their Care (color) Tommy is shown how his new book should be opened and handled, how to keep from soiling it, where the book should be kept when not in use and how it should be mended if damaged.	1	372	Guid.	E	120.00	24.1	65
49.075	Lunchroom Manners	1	400	Guid.	4-6	60.00	24.1	66
49.076	Lunchroom Manners (color) After watching a puppet show, "Mr. Bungle Goes to Lunch," in class, Phil applies the lessons he has learned during lunch.	1	400	Guid.	4-6	110.00	24.1	66
49.08	Other People's Things	1	400	Guid.	E	60.00	24.1	63
49.09	Other People's Things (color) Broken playground swings, ruined books and defaced walls lead an elementary-school class into activities and considerations designed to teach the worthwhileness of taking care of one's own and other people's things.	1	400	Guid.	E	110.00	24.1	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
49.1	Taking Care of Things _____	1	400	Guid.	E	60.00	24.1	66
49.11	Taking Care of Things (color) _____	1	400	Guid.	E	110.00	24.1	66
49.12	Beginning To Date _____	1	436	Guid.	J-A	60.00	39	64
49.13	Beginning To Date (color) _____	1	436	Guid.	J-A	120.00	39	64
49.2	Beginning Swimming _____	1	400	Health	Ed. E-J-A-V	60.00	24.1	65
49.21	Beginning Swimming (color) _____ Basic fundamentals of swimming.	1	400	Health	Ed. E-J-A-V	120.00	24.1	65
49.5	Beginning Tennis _____	1	492	T.T. Health	J-A-V	70.00	1.118	67
49.51	Beginning Tennis (color) _____ Film shows how tennis instructor teaches tennis to beginning and advanced students; includes an analysis of the basic fundamentals of tennis, serving, forehand and backhand volley and the smash. Fundamentals are repeated for the purpose of analyzing correct body movement.	1	492	T.T. Health	J-A-V	130.00	1.118	67
49.6	Beginning Tumbling _____	1	400	Health	Ed. J-A-V	50.00	24.1	63
49.61	Beginning Tumbling (color) _____ Presents the inverted balance and roll progressions and demonstrations of flips, rolls and stands.	1	400	Health	Ed. J-A-V	100.00	24.1	63
49.8	Beginnings and Growth of Industrial America _____	1	400	Soc. St.	E-J-A	60.00	24.1	66
49.81	Beginnings and Growth of Industrial America (color) _____ Film shows development of manufacturing during period between Revolutionary and Civil wars. Many historic scenes, actual and reconstructed, are shown.	1	400	Soc. St.	E-J-A	110.00	24.1	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
50	Beginning Spanish Film No. I UN Problema de Algebra (set of 4) 4 films aid Spanish instruction first 4 semesters; typically American backgrounds, students & situations; high school classroom scenes & activities; dialogue entirely Spanish.	4	1440	Span. CLC	J-A-V	360.00	20.3	66
51	Behavior in Animals and Plants	1	400	Sci.	J-A-V	60.00	24.1	63
51.1	Behavior in Animals and Plants (color) Analysis of tropisms, reflexes, instincts, and learned behavior.	1	400	Sci.	J-A-V	110.00	24.1	63
51.3	Behavior of Gases Brownian motion of smoke particles shown & compared with mechanical analogue. This evidence for molecules in chaotic motion is contrasted with orderly behavior of gases (Boyle's Law).	1½	545	Sci.	A	90.00**	62.85	66
51.6	Behind the Scenes at the Super Market	1	384	Soc. St.	E	55.00	43	64
51.61	Behind the Scenes at the Super Market (color) Shows the operation of a super market through the eyes of a boy who is escorted through the store by the manager, his father. The receiving, preparing, packaging and pricing of the various items are shown and the jobs assigned to the various employees explained.	1	384	Soc. St.	E	110.00	43	64
53	Belgium	1	380	Soc. St.	E-J	36.00	39	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
53.1	Belgium (color)	1	380	Soc. St.	E-J	103.20	39	63
53.2	Belgium and Netherlands ..	1	400	Soc. St.	J	60.00	24.1	66
53.21	Belgium and Netherlands (color) Presents relationship of Netherlands and Belgium to each other and their neighbors—France, Germany, Great Britain.	1	400	Soc. St.	J	110.00	24.1	66
53.3	Belonging to the Group	1½	564	Guid.	E	90.00	39	64
54.1	Benefits Of Looking Ahead	1	400	Guid.	J	60.00	24.1	63
54.11	Benefits Of Looking Ahead (color)	1	400	Guid.	J	110.00	24.1	63
54.2	Benni Abbes (color) UNESCO project on arid land. The work of the project team in the Sahara Desert interwoven with the life of the desert tribes.	2	669	Soc. St.	J-A-V	240.00	39	64
54.35	Bespoke Overcoat, The An old clerk who had contracted to pay for a brand new overcoat dies but cannot rest in his grave until he returns to his former working place to get the overcoat.	2	1500	Lang. Arts	A	190.00	12	67
54.38	Better Bulletin Boards	1	470	T.T.	E-J	50.00	57.3	67
54.39	Better Bulletin Boards (color) Stresses the need for organization and simplification of material for greater effectiveness.	1	470	T.T.	E-J	100.00	57.3	67
55.1	Better Choice of Words	1	400	Lang. Arts	J	60.00	24.1	63
55.11	Better Choice of Words (color)	1	400	Lang. Arts	J	110.00	24.1	63
55.15	Better Reading	1¼	452	T.T. Par. Ed.		60.00	39	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
55.16	Better Reading (color)	1½	452	T.T. Par. Ed.		120.00	39	63
55.4	Better Use of Leisure Time	1	400	Guid.	J-A-V	60.00	24.1	66
55.41	Better Use of Leisure Time (color)	1	400	Guid.	J-A-V	110.00	24.1	66
55.5	Betty Sees A Bird Explains step-by-step details in vision screening 3 to 6 year old children using Snellen E Chart at 20 feet. For technicians, nurses, and the training of volunteers to do testing.	1	400	Vis. Hand. Health	E	48.00	67.5	67
55.7	Between the Tides Shows the fascinating creatures; not always visible to the naked eye; which can be found in rock-pools and shallow waters — among the breeding grounds of Britain's sea birds.	2½	1000	Bio.	A	175.00	24.04	65
55.9	Beyond Our Solar System Telescopic photographs and art-work help us to understand basic concepts about stars, nebulas, major constellations, and about galaxies beyond our Milky Way.	1	400	Sci.	5-6	60.00	24.1	65
56	Bicycle Safety This film points out the responsibilities of the bicycle rider: to maintain the bike in good mechanical condition, to obey all traffic rules and watch out for others.	1	396	Safety	J	60.00	62.5	67
56.1	Bicycle Safety Skills	1	400	Safety	E-J-A-V	60.00	24.1	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	i
56.11	Bicycle Safety Skills (color) _____ A boy explains to his brother the rules of the road and the bicycle safety check points.	1	400	Safety	E-J-A-V	110.00	24.1	67
56.3	Big Animals of Africa _____	1	383	Sci.	E	60.00	39	63
56.31	Big Animals of Africa (color) _____ Animals of Africa are pictured in natural settings, food habits of the animal are either shown or described. Giraffe, antelope, leopard, lion and many uncommon animals are shown.	1	383	Sci.	E	120.00	39	63
56.33	Big Bakery, The _____ Two children are given a tour by their father through a modern, large city bakery where they see the complete process of making bread and pastries.	1	360	Soc. St.	E-J	110.00	89.3	66
56.35	Big Day in Bogo _____ An exciting and entertaining tale of UNICEF malaria eradication campaign and the problems created by an African witch doctor's suspicions that he may be out of business.	1½	589	Soc. St.	6-12	40.00	88.95	65
56.4	Big Land Animal of North America _____	1	402	E. Sci.	E-J	60.00	39	67
56.41	Big Land Animal of North America (color) _____ Wild life film showing mountain sheep, goats, deer, elk and moose, caribou and reindeer, buffaloes and bears.	1	415	E. Sci.	E-J	120.00	39	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
56.45	Big Little Leaguers ——— Tells the story of the founding, purpose and organization of little league baseball.	1	400	Health	Ed. E-J	30.00***	87	67
56.5	Big Harvest — Story of Agriculture —————	2	640	Soc. St.	E-J-A-V	90.00	39	63
56.55	Big Sun and Our Earth, The —————	1	400	Sci.	E	60.00	24.1	63
56.56	Big Sun and Our Earth, The (color) ————— Shows causes of day and night and some of the effects of sun's light and heat, such as reaction of flowers and plants and drying of clothes, fruits and soil.	1	400	Sci.	E	110.00	24.1	63
56.58	Big Wide Highway —————	1	400	Soc. St.	E	60.00	24.1	66
56.59	Big Wide Highway (color) ————— A small boy, Sam, learns the importance of highways in modern living — for travel and transportation of all commodities, including perishables.	1	400	Soc. St.	E	110.00	24.1	66
56.595	Big World ————— A primary globe is used by the child's father to answer his questions and to discuss briefly the basic forms of land and water on the earth's surface.	1	400	Sci.	K-3	100.00	36.85	66
56.6	Bigger Game, The (color) ————— Story of a young football coach and a player who is prevented from playing in the game because he failed an exam. Although the boy had access to the questions, he did not cheat but acted in an honest, forthright manner.	2¼	1100	Guid. Parents	A-V	199.00	78	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	f
56.61	Billion Dollar Malady	1½	515	Health	Ed. J-A-V	75.00	15	63
56.7	Bill Garman 12 Year Old Business Man	1	400	S.S., L.A.	E	90.00	48	64
56.75	Bill of Rights of The U.S., The	2	702	Soc. St.	E-J-A-V	120.00	39	67
56.76	Bill of Rights of The U.S., The (color)	2	707	Soc. St.	E-J-A-V	240.00	39	67
	The development of the Bill of Rights from the foundation in medieval times to the drafting of the first ten amendments to the Constitution.							
56.8	Billy and Nanny	1	346	Lang. Art, Sci.	E	60.00	39	64
56.85	Biography of A Fish	1	335	Sci.	E-J-A	45.00	85	65
	Life cycle of stickleback; male is shown building and guarding nest and fertilizing the eggs.							
56.87	Biography of A Missile	6	1964	Sci.	J-A-V CLC	250.00	20.5	65
	A report on the life story of a giant space-probing missile from early construction to actual firing at Cape Canaveral. (also report from Dr. Von Braun)							
56.94	Birds are Interesting (color)	1	387	Sci.	E	120.00	39	66
56.95	Bird Paradise	1	400	Sci.	E	50.00	1.15	66
57	Birds in Winter (color)	1	400	Nature	E	100.00	24.1	67
57.05	Bird Community	1	400	Sci.	E-J	50.00	62.9	66
57.06	Bird Community (color)	1	400	Sci.	E-J	105.00	62.9	66
	The film opens with a discussion of the concept of the word community. The birds common to the Midway Islands of the Pacific are described and their habitat shown.							
57.07	Bird Homes	1	379	Sci.	E	60.00	39	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
57.08	Bird Homes (color) A resume of the homes of little known birds of Northern America. The building habits, materials used, precautions, and setting habits of such as the robin, warblers, woodpecker, cactus wren, burrowing owl and ospreys, and pictures of many egg clutches in nests are shown.	1	379	Sci.	E	120.00	39	63
57.085	Bird Neighbors	1	345	Sci.	E	40.00	64	64
57.086	Bird Neighbors (color) Shows many American birds, how they are useful to man, how to attract them by feeding and bathing facilities, and their habits.	1	345	Sci.	E	80.00	64	64
57.1	Birds and Their Characteristics	1	400	Sci.	E-J-A	60.00	24.1	67
57.11	Birds and Their Characteristics (color) .. Film shows characteristics which differentiate birds from other vertebrates. Features which all birds have in common are shown — feathers, wings, legs, warm-bloodedness, beaks.	1	400	Sci.	E-J-A	110.00	24.1	67
57.16	Birds in Your Backyard (color)	1	406	Sci.	E	100.25	5	64
	Bird Series #1 (color)							
✓ 57.41	Attracting Birds in Winter	¾	217	Sci.	E	67.50	57.8	63
✓ 57.42	Building Bird Houses	¾	207	Sci.	E	67.50	57.8	63
	Bird Series #2 (color)							
✓ 57.51	Birds That Eat Fish	¾	240	Sci.	E	67.50	57.8	63
✓ 57.52	Birds That Eat Flesh	¾	230	Sci.	E	67.50	57.8	63
✓ 57.53	Birds That Eat Insects	¾	210	Sci.	E	67.50	57.8	63
✓ 57.54	Birds That Eat Seeds	¾	207	Sci.	E	67.50	57.8	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
57.6	Birdlife _____ Views of patterns in the sky made by huge flocks of starlings; birds at an Australian bird sanctuary; swans; habits of pelicans, scenes of Pelican Island off shore of California.	1	325	Sci.	3-6	45.00	72.3	66
57.7	Birds: How We Identify ..	1	400	Sci.	3-6	60.00	24.1	66
57.71	Birds: How We Identify (color) _____ Birds can be identified by appearance, size, sounds and actions. With field guide and binoculars, two boys identify birds in the field and woods.	1	400	Sci.	3-6	110.00	24.1	66
57.8	Birds In Winter _____	1	401	Sci.	2-6	60.00	39	65
57.81	Birds In Winter (color) .. Provides examples of migration, protective coloring, and food gathering habits of birds in winter. Also shows various types of bird feeding stations.	1	401	Sci.	2-6	120.00	39	65
58.1	Birds of The Countryside _____	1	400	Sci.	E	60.00	24.1	64
58.11	Birds of The Countryside (color) _____	1	400	Sci.	E	110.00	24.1	64
58.12	Birds of The Dooryard _____	1	400	Sci.	E	60.00	24.1	64
58.13	Birds of the Dooryard (color) _____	1	400	Sci.	E	110.00	24.1	64
59.	Birds of The Inland Waterways (color) _____	1	400	Nature	E	100.00	24.1	67
60	Birds of The Marshes (color) _____	1	400	Nature	E	100.00	24.1	67
60.2	Birds of Our Storybooks ..	1	400	L.A.-Sci.	E	60.00	24.1	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
60.21	Birds of Our Storybooks (color) _____ Nine birds shown in connection with poems and stories. Gives description, characteristics, call and quotations.	1	400	L.A.-Sci.	E	120.00	24.1	65
60.7	Birds of The Sea _____ A trip around the world in a four-masted sailboat to observe oceanic birds including gannets, cormorants, murres and penguins.	1	400	Sci.	E	30.00***	87	67
60.88	Birth and Death of Mountains _____	1	450	Sci.	5-6	65.00	43	67
60.881	Birth and Death of Mountains (color) _____ Although mountains appear permanent, they are ever changing. Wind, water, and ice destroy mountains. At the same time, underground forces are constantly at work building.	1	450	Sci.	5-6	130.00	43	67
60.975	Birth of The Camera _____ Unique and unusual exhibit of more than 100 years of photographic progress. Early cameras and methods of picture making are seen at Rochester's Eastman House.	1	280	Sci.	Gr. 9-115b	40.00	72.3	65
60.98	Birthday Present To America _____ A class discusses our traditional friendship with France, and France's gift to the U.S. of the Statue of Liberty.	1¼	511	Soc. St.	E	75.00**	28.14	64
61	Birthplace of Icebergs _____	1	400	Sci.	E-J-A-V	30.00***	87	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
61.5	Black and White in South Africa _____ Depicts the history of the Dutch and later the British in South Africa. Shows the "Great Trek" and the Boer War. Presents the problems in South Africa today between the white and negro and the "apartheid" situation.	2½	1000	Soc. St.	A	100.00	62.5	64
62	Black Bear Twins _____	1	354	Nature	E	60.00	39	64
62.5	Black Patch _____ Story of a little baby mountain goat, "Black Patch" in his natural habitat in the Himalaya Mountains.	1¾	700	Sci.-Nat.	E-J-A	95.00	12	66
62.6	Black Widow Spider _____ Shows two full life cycles — that of the widow and that of a tiny fly which is among her worst enemies.	1	438	Sci.	E-J	120.00**	62.65	67
62.65	Blind As A Bat _____	¾	255	Sci.	J	30.00	62.9	65
62.66	Blind As A Bat (color) — The reason that a bat can fly in the dark without striking objects is determined through a series of scientific experiments.	¾	255	Sci.	J	60.00	62.9	65
62.7	Blocks—A Material For Creative Play _____	1¾	580	T.T.		50.00	20.4	65
62.71	Blocks—A Material For Creative Play (color) — Unrehearsed film which shows how children gain mastery of ideas through play programs with blocks of various sorts.	1¾	580	T.T.		135.00	20.4	65
62.9	Blood, The _____	1¾	550	Bio.	H.S.	90.00	39	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
62.91	Blood, The (color) _____ Illustrates the composition of blood. Its circulation, and work it does. Blood typing and RH factor are also demonstrated.	1½	550	Bio.	H.S.	180.00	39	67
63	Blow, Wind, Blow _____	1	400	Sci., Lang. Arts	E	60.00	24.1	63
63.1	Blow, Wind, Blow: (color) _____	1	400	Lang. Arts—Sci.	E	110.00	24.1	63
65.5	Boats: Buoyancy, Stability, Propulsion _____	1½	500	Sci.	Gr. 9-Unit I 4a	75.00	24.1	65
65.51	Boats: Buoyancy, Stability, Propulsion (color) _____ Carefully planned demonstrations clearly illustrate Archimedes' principle in explaining why certain objects float in water while others do not.	1½	500	Sci.	I 4a	150.00	24.1	65
66.1	Bob Learns About Ocean Trade _____	1	400	Soc. St.	E-J	90.00	48	64
66.2	Bob Gaffner, Fisherman's Helper _____	1	400	Soc. St.	E-J	90.00	48	64
67	Bobolink and Bluejay (color) _____	1	400	Nature	E	100.00	24.1	67
67.3	Body Care and Grooming ..	1½	629	Health Ed.	J-A-V	100.00	62.5	64
67.4	Body Fights Bacteria	1½	521	Health Ed.	J-A-V	100.00	62.5	64
67.5	Body Defenses Against Disease _____	1	379	Bio.	A-V	60.00	39	63
67.7	Bolero (color) _____ The origin of the rhythm of Ravel's Spanish dance in triple time photographed as wild animal movement in a jungle setting. The musical crescendo is portrayed as a jungle storm.	1	290	Health Lang. Arts	J-A-V	80.00	76.8	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
68.1	Bookkeeping and You _____	1	400	Book.-Guid.	J-A-V	50.00	24.1	65
68.2	Bookkeeping and You (color) _____	1	400	Book.-Guid.	J-A-V	120.00	24.1	65
69	Boone, Daniel _____	2	625	Soc. St.	E-J	120.00	39	66
69.3	Boring to Close Tolerances _____	1½	629	Mach. Shop	V	39.34	71	67
69.5	Borrowed Power _____	1½	592	Driver Ed.	A-V	17.38	1.18	63
70.1	Boston Tea Party _____ Dramatization of event as presented on CBS "You Are There" program.	2½	1000	Soc. St.	J-A-V	135.00	62.5	63
70.5	Boundary Lines (color) ... A plea to eliminate the arbitrary "boundary lines" of color, origin, wealth, religion, etc. which result in an accumulation of fear and suspicion and finally in war.	1	360	Soc. St.	A-V	130.00	58	63
71	Bowling Fundamentals _____ Techniques of bowling—selection of ball, stance, approach, aim, delivery, follow-through and direction.	1½	600	Health Ed.	A	75.00	61.8	65
71.2	Boy and The Mountains A _____ A story of a boy who visits with forest rangers, fish and game biologists, loggers, weathermen, where he picks up knowledge of mountain.	1½	585	Sci.	5-6	150.00	63.5	66
71.33	Boy Creates Toy (color) _ Boy constructs an airplane from scrap materials.	1	229	Art	PTA	60.00	3	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	1
71.35	Boy of A Frontier Fort	1	400	Soc. St.	5-9	60.00	24.1	64
71.36	Boy of A Frontier Fort (color) Tells of life in a frontier fort. Shows how frontiersmen get ready to ward off an Indian attack. Scenes of sheepherding, log cutting and making horseshoes.	1	400	Soc. St.	5-9	110.00	24.1	64
71.4	Boy of India, A	1	400	Soc. St.	E	60.00	24.1	66
71.41	Boy of India, A (color) Depicts a day in the life of Rama, an eight year old boy who lives with his family on a tea plantation in India. Shows him learning how to handle his elephant.	1	400	Soc. St.	E	110.00	24.1	66
71.5	Boy of Mexico, A: Juan & His Donkey	1	400	Soc. St.	E	60.00	24.1	65
71.51	Boy of Mexico, A: Juan & His Donkey (color) One lovely morning, Juan and his father leave a small village near Mexico City to gather wood in the mountains. Life in the village is portrayed through their experiences that day.	1	400	Soc. St.	E	120.00	24.1	65
71.6	Boy of Renaissance Italy	1	400	Soc. St.	J-A-V	60.00	24.1	63
71.61	Boy of Renaissance Italy (color) Significant characteristics of the Renaissance are illustrated through the story of an artist's apprentice in Florence.	1	400	Soc. St.	J-A-V	110.00	24.1	63
71.7	Boy of The Circus	1½	500	Soc. St.	E	75.00	24.1	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
71.71	Boy of the Circus (color) _____ Dino wants a job with the circus. He visits several acts and decides to become a clown.	1½	500	Soc. St.	E	137.50	24.1	66
71.8	Boy of The Navajos, A _____	1	400	Soc. St.	E	60.00	24.1	66
71.81	Boy of The Navajos, A (color) _____ The adventures of Tony Hotinez, a present-day Navajo boy; herding sheep, spending evening with his family in Hogan and taking a trip to trading post.	1	400	Soc. St.	E	110.00	24.1	66
71.85	Boy of The Netherlands ____	1	400	Soc. St.	E	60.00	24.1	63
71.86	Boy of The Netherlands (color) _____ Willem a Dutch boy, travels by barge from his farm home to Amsterdam. He shares the life of the barge family and enjoys the sights of Holland along the canal.	1	400	Soc. St.	E	110.00	24.1	63
71.9	Boy of The Seminoles ____	1	400	Soc. St.	E-J	60.00	24.1	66
71.91	Boy of The Seminoles (color) _____ The life of a Seminole boy in the Everglades. Shows way of life, occupations, foods, life in the swamp.	1	400	Soc. St.	E-J	110.00	24.1	66
71.93	Boyhood of George Washington _____	1	400	Soc. St.	E-J	60.00	24.1	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
71.94	Boyhood of George Washington (color) Presents incidents in the early life and education of our first president. Emphasis is upon the moral and spiritual qualities of his upbringing that influenced his later life.	1	400	Soc. St.	E-J	110.00	24.1	63
71.95	Brahms and His Music	1½	500	Music	J-A	75.00	24.1	63
71.96	Brahms and His Music (color) Biographical summary of composer's life with many excerpts of his music.	1½	500	Music	J-A	137.50	24.1	63
72.1	Brass Choir 2nd. edition	1	402	Music	E-J-A-V	60.00	39	67
72.11	Brass Choir (color) 2nd. edition A brief description of instruments in brass choir with illustrative examples.	1	404	Music	E-J-A-V	120.00	39	67
81.1	Brazil (2nd Ed.)	1½	591	Soc. St.	E	90.00	39	63
81.11	Brazil (2nd Ed.) (color) Location, climate and cities of Rio, San Paulo and Santos. Life on a Fazenda showing daily occupations.	1½	591	Soc. St.	E	180.00	39	63
81.5	Brazil: People of The Highlands (Revised 2nd edition)	1½	620	Soc. St.	E-J	90.00	39	67
81.51	Brazil: People of The Highlands (Revised 2nd edition) (color) Shows new capital city of Brazilia, physical features of the highlands, important cities family life in Sao Paulo, and the blending of varied ancestries and cultures.	1½	630	Soc. St.	E-J	180.00	39	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
85.1	Bread (2nd edition	1	388	Soc. St.	E	60.00	39	66
85.11	Bread (2nd edition) (color)	1	388	Soc. St.	E	120.00	39	66
	Tells the complete story of bread from the wheat harvest, grinding of flour, through the processes at a large bakery, to the final delivery.							
85.5	Breast Stroke	1	417	Health	Ed. E-J-A-V	55.00	57.8	63
	Step by step analysis and demonstration of individual skill needed to perfect the breast stroke.							
85.6	Bridges	1	450	Soc. St.	E	70.00	73.02	64
	The truss, arch, suspension and cantilever are shown.							
85.62	Bridges	1	379	Soc. St.	E	60.00**	28.14	64
	Small wooden foot bridge over a brook to a gigantic suspension bridge.							
85.7	Bridges-Modern Civilization	1	370	Soc. St.	E-J	55.00	53	63
85.71	Bridges-Modern Civilization (color)	1	370	Soc. St.	E-J	110.00	53	63
	First bridges were natural trees which fell across rivers. A boy is shown with an erector set building examples of bridges. These were shown in actuality.							
85.8	Bright Side, The	2	900	Guid	Par. Ed.	125.00	24.04	63
	Portrays happy family life. Shows that being a Parent is not necessarily a problem but also a source of pleasure.							
86	Britain Crowns A Queen ..	1	290	Soc. St.	E-J-A C-L-C	40.00	72.3	65
	A review of the life of George VI; his funeral and the Coronation of Elizabeth II.							

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
86.5	British Isles	1	397	Soc. St.	E	60.00	39	66
86.61	British Isles: The Land & The People	1	400	Soc. St.	E-J	60.00	24.1	63
86.62	British Isles: The Land & The People (color)	1	400	Soc. St.	E-J	110.00	24.1	63
86.7	British Monarchy	2	687	Soc. St.	A-V	110.00	89	66
	Portrays the line and function of the British Monarchy.							
87	Broad Jump	1	400	Health Ed.	A-V	50.00	24.1	64
87.1	Broad Jump	1	400	Health Ed.	A-V	55.00	89	64
87.3	Broader Concept of Curriculum	1	756	T.T.	Adult	125.00	62.5	67
	This film portrays the many ways the needs of youth may be served through a wide variety of learning experiences.							
88.5	Brown Bears go Fishing ..	1	400	Lang. Arts	E-J	60.00	24.1	66
88.51	Brown Bears go Fishing (color)	1	400	Lang. Arts	E-J	110.00	24.1	66
	Allan reads a book about bears—polar bears, black bears, brown bears. Film shows Alaskan brown bears fishing for salmon.							
89.4	Buenos Aires-Gateway To Argentina	2	800	Soc. St.	E-J	100.50	1.11	64
89.41	Buenos Aires-Gateway To Argentina (color) ..	2	800	Soc. St.	E-J	190.50	1.11	64
89.6	Building Better Paragraphs	1	400	Lang. Arts	J-A-V	60.00	24.1	64
89.61	Building Better Paragraphs (color)	1	400	Lang. Arts	J-A-V	110.00	24.1	64
92.7	Build Your Vocabulary	1	400	L.A.-Lib.	E-J-A-V	60.00	24.1	65
92.8	Build Your Vocabulary (color)	1	400	L.A.-Lib.	E-J-A-V	120.00	24.1	65
92.88	Builders, The	3	1180	Soc. St.	J-A	90.00	1.5	66
	Filmed in South and South East Asia. Shows progress and development resulting from Australian-Asia co-operation under the Colombo Plan, whose aim is to help the people of South and South East Asia.							

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
94	Building a Box Beam Spar	1¾	752	Aviation	V	45.41	71	67
95	Building a Wooden Rib ..	1¾	702	Aviation	V	42.94	71	67
95.1	Building an Outline	1	400	Study Sk.	J-A-V	60.00	24.1	65
95.2	Building an Outline (color)	1	400	Study Sk.	J-A-V	120.00	24.1	65
95.7	Building Typing Skills ..	1	400	Typ.	J-A-V	50.00	24.1	65
95.8	Building Typing Skills (color)	1	400	Typ.	J-A-V	120.00	24.1	65
95.9	Bully, The	1	400	Guid.	J-A-V	50.00	62.5	63
95.91	Buma: African Sculpture Speaks (color)	1	330	Art	A-V	120.00	39	63
95.95	Bumblebee, The	1	400	G. Sci.	E-J	65.00	57.8	67
95.96	Bumblebee, The (color) Life of the bumblebee: how the queen starts a nest; value of bumblebee in pollinating red clover.	1	400	G. Sci.	E-J	130.00	57.8	67
95.964	Burbank, Luther	1	220	Sci.	Gr.8-I 2d	30.00	72.3	65
	A visit to the Luther Burbank Gardens of the best-known plant origi- nator of the world.							
95.97	Burma, People of the River	1¾	503	Soc. St.	J-A-V	75.00	39	63
95.98	Burma, People of the River (color)	1¾	503	Soc. St.	J-A-V	150.00	39	63
	Gives the life and cus- toms of the Burmese people, showing farm and city life.							
96.2	Bushy the Squirrel	1	400	Lang. Arts	E	60.00	24.1	63
96.21	Bushy the Squirrel (color)	1	400	Lang. Arts	E	110.00	24.1	63
	The story tell about Steve's success in making friends with a squirrel.							
96.5	Busy Harbor, The	1	400	Soc. St. L. A.	E	60.00	24.1	66
96.51	Busy Harbor, The (color) Ted and Maria visit their friend, Captain McKay, a tugboat captain. He ex- plains the many activities going on in the harbor.	1	400	Soc. St. L. A.	E	110.00	24.1	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
96.8	Butterfly, The: Life Cycle of an Insect	½	200	Sci.	A	30.00	24.1	65
96.81	Butterfly, The: Life Cycle of an Insect (color) The development of the monarch butterfly, whose life cycle is typical of all scaly winged insects.	½	200	Sci.	A	60.00	24.1	65
97.2	Butterfly Botanists	1	400	Sci.	J-A-V	50.00	24.1	64
97.3	Butterfly Botanists (color)	1	400	Sci.	J-A-V	100.00	24.1	64
97.61	Byrd At The Pole An exclusive talk by late Admiral Byrd directed to American students. A call to adventure. Some highlights from his trips.	1	325	Soc. St.	J	45.00	72.3	66
97.65	Byzantine Empire, The	1½	500	World Hist.	A-V	75.00	24.1	65
97.66	Byzantine Empire, The (color) Outlines the development of the Byzantine Empire, and illustrates its main cultural contributions.	1½	500	World Hist.	A-V	150.00	24.1	65
97.71	Cactus Wren (color)	1	368	Nature	E	100.25	5	64
97.73	Calendar, The Story of Its Development	1	388	Math. Soc. St. Tch. Tr.	E-J	60.00	24.1	65
97.74	Story of Its Development (color) The film traces the development of our calendar through Egyptian, Babylonian and Roman cultures outlining the steps that led to the Julian and eventually the Gregorian calendar which is used in most of the world today.	1	388	Math. Soc. St. Tch. Tr.	E-J	120.00	24.1	65
97.75	Calendar, The — Weeks, Days, Months	1	400	Math.	E	60.00	24.1	63
97.76	Calendar, The — Weeks, Days, Months (color) Construction of a calendar explained on a primary level.	1	400	Math.	E	110.00	24.1	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
97.8	Calhoun, John	2	619	Soc. St.	J	120.00	39	66
97.91	Camel Who Took a Walk, The	1	226	Lang. Arts	E	37.50**	91.95	63
97.92	Camel Who Took a Walk, (color)	1	226	Lang. Arts	E	75.00**	91.95	63
	A camel walked in the forest, changed her mind and walked back.							
98	Camouflage in Nature Thru Form and Color Matching (color)	1	400	Nature	E	100.00	24.1	67
100	Can The Earth Provide This film presents a detailed picture of the World agricultural scene, and the role that science may be expected to play in future world food production.	2½	1080	Soc. St.	A-V	135.00	62.5	67
100.5	Canada: Atlantic Provinces	1½	588	Soc. St.	E-J	90.00	39	64
100.51	Canada: Atlantic Provinces (color) Depicts the industries of Atlantic Provinces of Canada. A majority of Canada is shown locating the provinces of Nova Scotia, New Brunswick, Prince Edwards Island and Newfoundland.	1½	588	Soc. St.	E-J	180.00	39	64
100.52	Canada-Pacific Provinces	1½	594	Soc. St.	E-J	90.00	39	64
100.53	Canada—Pacific Provinces (color) Shows resources industries, botanical splendors, recreational features, etc., of area.	1½	594	Soc. St.	E-J	180.00	39	64
100.56	Canada—The Prairie Provinces	1½	593	Soc. St.	6	90.00	39	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
100.57	Canada—The Prairie Provinces (color) _____ Records the great changes that have recently taken place in Canada's central provinces, Manitoba, Saskatchewan and Alberta. Surveys the recent oil discoveries.	1½	593	Soc. St.	6	180.00	39	65
100.59	Canada's Atom Goes To Work _____ A progress report on research into peacetime uses of atomic energy.	1	410	Sci. Soc. St.	J	50.00	64	65
100.61	Canada's Awakening North _____	3	1170	Soc. St. Hlth. Sci.	E-J	120.00	64	63
100.81	Canadian Carnival _____ Life in Quebec during the winter Carnival time. The events, games and activities of the people.	1	310	Soc. St.	6	48.00	47	64
101.1	Canals of England (2nd Ed.) _____	1	374	Soc. St.	J	60.00	39	63
101.15	Cancer _____	1	443	Health Ed.	A-V	60.00	39	64
101.16	Cancer (color) _____	1	443	Health Ed.	A-V	120.00	39	64
101.23	Caperucita Roja (color) _____ A new and exciting aid to the teaching of Spanish. Through the re-telling of a simple story (Little Red Riding Hood) with simple Spanish narration and review; beginning Spanish pupils can follow the familiar story as they learn Spanish by hearing it.	1¾	504	Span.	E-J	140.00	43	67
101.3	Capitalism _____	1	400	Eco.	A	50.00	24.1	64
101.4	Capitalism (color) _____	1	400	Eco.	A	100.00	24.1	64
101.6	Caps For Sale _____	1	192	Lang. Art	E	37.50**	91.95	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
101.61	Caps For Sale (color) — Iconographic film based on book of same title telling of a cap peddler who wakes to find his caps gone and how he gets them back.	1	192	Lang. Art	E	75.00**	91.95	66
101.8	Capt. Brown, Harbor Pilot (color) — Problems of a captain in guiding a large freighter through the harbor safely to dock.	1	400	Soc. St.	E	90.00	48	66
102	Car Theft — Two teen-age youths steal a car and go for a joy ride. In trying to escape police chasing them, a little girl is killed. Motivations and basic moral lesson are dramatized.	1½	512	Safety	J-A-V	65.00**	1.2	66
102.6	Caravans of Trade —	1½	663	Soc. St.	J	90.00	39	63
105.4	Care of the Hair and Nails	1	396	Health Ed.	E	60.00	39	66
107	Care of Pets —	1	396	Nat., Lang., Arts	E-J	60.00	39	66
107.3	Care of the Skin —	1	398	Health Ed.	E	60.00	39	67
107.4	Career in Bacteriology —	1	535	Sci.-Guid.	J-A-V	75.00	57.3	63
107.41	Career in Bacteriology (color) — Presents phases of a career in bacteriology, showing background of student training needed and industrial positions available.	1	535	Sci.-Guid.	J-A-V	150.00	57.3	63
107.5	Careers for Girls —	2	607	Guid.	J-A-V	95.00	62.5	65
107.55	Careers in Agriculture —	1½	500	Voc. Guid.	J-A-V	75.00	24.1	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
107.56	Careers in Agriculture (color) Illustrates the point that agriculture is more than farming alone. There are many opportunities for youngsters with farm backgrounds in the many allied fields of agriculture such as; farm machinery sales and service, forestry, horticulture, agricultural business and journalism.	1½	500	Voc. Guid.	J-A-V	137.50	24.1	64
107.57	Careers In Mathematics ... Reviews the field of mathematics indicating the career opportunities available.	3	1100	Guid. Math.	J-A-V	150.00	1.3	67
107.58	Careers in the Building Trades Trades	1	400	Voc. Guid.	J-A-V	60.00	24.1	64
107.59	Careers in the Building Trades (color) An overview of the allied trades which comprise the building trades with particular emphasis on carpentry.	1	400	Voc. Guid.	J-A-V	110.00	24.1	64
107.7	Caribou Hunters (color) ...	1½	648	Soc. St.	E-J	160.00	64	63
108	Caring For Your Toys Within a typical family situation, this film shows the child how to care for his toys and the best technique for storing indoor toys, outdoor toys and toys.	1	385	Guid.	E	60.00	62.5	65
108.3	Carl Sandburg Discusses His Work We gain a fascinating insight into the character of this great American as he speaks of his early years, his struggle to gain fame, and his philosophy.	1½	500	Lang.	A	75.00	24.1	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
108.31	Carl Sandburg Discusses Lincoln In this interview Carl Sandburg, the great poet and Lincoln scholar, speaks of the Abraham Lincoln he has come to know so intimately.	1	400	Lang. Soc. St.	J-A	60.00	24.1	67
108.4	Carnegie, Andrew	1½	673	Soc. St.	J-A-V	120.00	39	67
108.5	Carnival Comes to Town, The	1	400	Lang. Arts	E	60.00	24.1	67
108.51	Carnival Comes to Town, The (color) The problems inherent in setting up a carnival are presented.	1	400	Lang. Arts	E	110.00	24.1	67
108.8	Carnivorous Plants	1	365	Sci.	J	50.00	62.9	67
108.81	Carnivorous Plants (color) A complete study of the carnivorous plants found in N. America is made in this film. Venus flytrap, Pitcher Plant and the Sunden are shown in enlargements.	1	365	Sci.	J	100.00	62.9	67
108.9	Carrot Nose	1	252	Lang. Art	E	40.00	12	65
108.91	Carrot Nose (color) Animated Puppets, Children at grandma's in the country build a snowman and discover some "thieves" who turn out to be not very terrifying after all.	1	252	Lang. Art	E	90.00	12	65
109	Case of the Misguided Killer Shows proper driving habits and procedure and emphasizes the use of new high powered cars on older, narrow, secondary roads and city streets during all four seasons of the year.	1	390	Driver Ed.	E-V	50.00	74.05	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
109.1	Castillos En Espana (color) A series of "post card" views of the castles of Spain—the Alcazar near Segovia, la Alhambra in Granada, Bellver in Mal- lorca, etc.	1	359	Spanish	A	125.00	57.8	65
109.15	Cat Family (color) Purpose is to show how a number of animals which differ greatly in size, color and habitat yet possess certain char- acteristics in common which make them akin.	1	400	Sci.	K-6	130.00	57.8	66
109.18	Catalysis Live action and anima- tion are used to explain graphically and clearly how catalysts speed up chemical reactions with- out being consumed in the process.	1	576	Chem.	A	160.00	86.3	67
109.2	Catching Fundamentals	1	400	Health	Ed. A-V	50.00	24.1	64
109.21	Catching Fundamentals (color)	1	400	Health	Ed. A-V	100.00	24.1	64
109.5	Cattle and the Corn Belt	2	800	Soc. St.	E	110.00	89	64
109.6	Cave Community, The	1½	500	Biology	A	75.00	39	67
109.61	Cave Community, The (color) This film, photographed in the Cumberland cav- erns of Tennessee, takes the student on a fascinat- ing field trip and reveals important clues to the central questions of adap- tion and evolution of species.	1½	500	Biology	A	150.00	39	67
109.9	Cave Dwellers of The Old Stone Age	1½	589	World Hist.	A	90.00	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
109.91	Cave Dwellers of The Old Stone Age (color) Illustrates the lives of Neanderthal and Cro-Magnon cave dwellers; shows how artifacts tell the story of pre-historic times. Uses dramatic recreations of daily activities of cavemen to tell the story.	1½	589	World Hist.	A	180.00	39	66
110	Caverns and Geysers	1½	497	Sci.	5-6	70.00	43	67
110.1	Caverns and Geysers (color) The film illustrates how underground water is constantly changing our earth, forming both caverns and geysers. The mechanism of caverns and geysers formation is illustrated.	1½	497	Sci.	5-6	140.00	43	67
110.11	Cecropia Moth Time-lapse photography records the life story: egg laying, caterpillar development, cocoon building, and the spring debut of this insect.	1	396	Sci.	5-6	130.00	57.8	66
110.45	Cell Division	1	400	Bio.	A-V	60.00	72.5	65
110.48	Cell Respiration	3	1080	Bio.	C-L-C A	150.00	62.5	66
110.481	Cell Respiration (color) Respiration is the power-producing part of cell metabolism. No man-made machine can match this efficiency in getting energy out of any fuel molecule.	3	1080	Bio.	C-L-C A	300.00	62.5	66
110.5	Cell, The: Structural Unit of Life	1	400	Bio.	A-V	60.00	24.1	65
110.6	Cell, The: Structural Unit of Life (color)	1	400	Bio.	A-V	120.00	24.1	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
111	Centering Small Stock	1½	425	Mach. Shop	V	28.54	71	67
112.1	Central America: Geography of the Americas	1	400	Soc. St.	E-J-A-V	60.00	24.1	65
112.11	Central America: Geography of the Americas (color) Physical features of Central America, how they affect the lives of the people, industries and products.	1	400	Soc. St.	E-J-A-V	120.00	24.1	65
112.5	Centralization and Decentralization	2	644	Soc. St.	J-A-V	120.00	39	63
112.53	Chain of Life, The (color)	2	415	Sci.—Nat.	E-J	100.00	73.02	64
112.55	Chairmaker and The Boys (color) This film presents a contrast between the restraining wisdom of age (chairmaker) and the over-confidence of freckle-faced youth.	1	750	Lang. Art Soc. St.	E-J	210.00	57.8	66
112.57	Chalkboard Utilization	1½	600	T.T.		90.00	62.5	64
112.6	Challenge, The (color) No one dared fight Mr. Lion, monarch of the jungle. He bullied and roared until finally the little people of the jungle could no longer stand it. They banded together and decided one should challenge him — but — WHO?	1	221	Lang. Art	E	48.50	85	66
112.72	Challenge of the Gifted	1	432	T.T.	4-6	65.00	62.5	64
112.73	Challenge of the Gifted (color) Presents a program for the intellectually gifted child in the 4th, 5th and 6th years of school in California.	1	432	T.T.	4-6	130.00	62.5	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
112.81	Chameleon, The (color) Presentation of the natural history of the African Chameleon — color changes use of toes and tail, life in trees.	1	304	Sci.	E	90.00	57.8	63
112.85	Change of Scale Demonstrates change of size necessitates change in structure of objects: uses specially constructed props to emphasize scaling problems. Shows practical application of scale models.	2	835	Phys. Math.	A	120.00**	62.85	66
113	Changing Cotton Land S. W.	2	746	Soc. Sci.	E-J	110.00	89	65
113.1	Changing Voice (color) A digest of the research done by Irvin Cooper who pioneered in the natural use of the adolescent voice.	4	1600	T.T.	J	335.00	57.8	67
113.23	Characteristics of a Core Program This film interprets high school core programs and shows a ninth-grade core class in action. Because it depicts important characteristics of a core program, it is particularly appropriate for in-service activities and parent meetings.	2	800	T.T.		100.59	18.5	65
113.25	Characteristics of Plants and Animals	1	360	Bio.	A	50.00	57.3	65
113.26	Characteristics of Plants and Animals (color) Depicts the basic characteristics of plants and animals; stresses the cellular concept and the fundamental similarity of all living organisms.	1	360	Bio.	A	100.00	57.3	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
113.42	Charlemagne and His Empire	1½	500	Soc. St.	A	75.00	24.1	67
113.421	Charlemagne and His Empire (color) Film pictures Charlemagne's conquests, his ties with the Roman Church, his system of government, and his contributions to life in the Middle Ages.	1½	500	Soc. St.	A	137.50	24.1	67
113.46	Charles Dickens Christmas, A	2	788	Lang. Art	E-J-A-V	120.00	39	67
113.47	Charles Dickens Christmas, A (color) Mr. Pickwick and his friends visit Pringle Manor for Christmas.	2	790	Lang. Art	E-J-A-V	240.00	39	67
113.5	Charter, The Film seeks to acquaint students with the origins and development of the basic written authority on which the UN functions—the Charter.	1	600	Soc. St.	J-A-Ad-V	65.00	24.04	67
113.51	Chavez, Pedro. Potter of Tonala (color) Master of the "petatillo" style of Jalisco. Technique of painting clay on clay in rich decorative designs. Preparation of clay and use of clay moulds.	1	325	Art	J-A-V	110.00	53	65
113.53	Cheating	1	400	Guid.	J-A-V	50.00	62.5	63
113.55	Check Collection Process ... Focuses on the procedures of check collection and settlement. Speed and efficiency in the process is related to the objective.	1	775	Bus. Ed.	A-Ad	100.00	57.3	67
113.6	Cheese and Cheese Making (color)	1	400	Home Eco. Soc. St. Sci.	A-V	120.00	57.8	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
113.65	Chemical Changes All About Us	1¼	500	Sci.	7-9	75.00	24.1	66
113.651	Chemical Changes All About Us (color)	1¼	500	Sci.	7-9	137.50	24.1	66
	When chemical changes occur, substances form new substances, and energy is used or given off. Film explains atoms, molecules, elements, mixtures, and compounds: illustrates familiar chemical changes.							
113.8	Chemistry	1	398	Sci.	E	55.00	53	66
114	Chemistry in a Changing World	1	346	Chem.	A	60.00	39	64
114.2	Chemistry of Air	1	468	Sci.	J	55.00	62.5	64
	Shows the various simple experiments that can be done to illustrate that oxygen and CO ₂ are found in air. Also depicts the methods by which substances oxidize.							
114.24	Chemistry of Water	1¼	508	Sci.	A	150.00	86.3	66
	Uses the water molecule structure to explain the unique properties of water in relation to melting, evaporation solution. Formation of hydrates, chemical reactions and many uses of water.							
	Chemistry Course							
114.302	Introduction	3	1200	Sci.	A	107.50	39	66
114.303	Introduction (color)	3	1200	Sci.	A	215.00	39	66
	All the things one sees around him are chemicals and most of the changes in them involve chemicals reactions. To think scientifically about them one must observe carefully to see what is actually happening. Some familiar reactions are shown in the film as examples of different types of reactions.							

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
114.304	Classifying Matter—The Need	3	1200	Sci.	A	107.50	39	66
114.305	Classifying Matter—The Need (color) The film shows the mixed-up character of natural materials and the spontaneous tendency of things to get mixed. To help in our thinking we try to group like things together — to classify them. The film shows various ways of classifying a list of things or a group of objects and it shows that no way is perfect.	3	1200	Sci.	A	215.00	39	66
114.306	The Physical States of Matter	3	1200	Sci.	A	107.50	39	66
114.307	The Physical States of Matter (color) The centigrade and Fahrenheit temperature scales are illustrated. Direct evaporation of a solid is illustrated with dry ice. The solid, liquid, and gas phases of iodine are demonstrated. The melting and decomposition of sugar is shown. The peculiar properties of glass are shown.	3	1200	Sci.	A	215.00	39	66
114.308	Classifying Matter—A Method	3	1200	Sci.	A	107.50	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
114.309	Classifying Matter—A Method (color)	3	1200	Sci.	A	215.00	39	66
	Heterogeneous systems can often be separated into homogeneous parts by simple means, such as, sorting, dissolving and filtering, and distilling. A solution can be separated into its component pure substances by such processes as freezing, liquefying, evaporating, and condensing.							
114.310	Atoms and Molecules	3	1200	Sci.	A	107.50	39	66
114.311	Atoms and Molecules (color)	3	1200	Sci.	A	215.00	39	66
	The idea of the element is introduced. The idea of the molecule is introduced and used to explain the differences between a solution and a pure substance in terms of the kinds of molecules present. The idea of atoms as "indestructible" parts of molecules is developed.							
114.312	A Chemical Reaction and Its Equation	3	1200	Sci.	A	107.50	39	66
114.313	A Chemical Reaction and Its Equation (color)	3	1200	Sci.	A	215.00	39	66
	Models of some molecules of compounds are shown and related to the formulas of the compounds. The chemical reaction between methane and oxygen is carried out and discussed. The chemical equation for the reaction is written and is interpreted with the aid of molecular models. The Law of Conservation of Mass is tested.							

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
114.314	Combustion—Molecules In Action _____	3	1200	Sci.	A	107.50	39	66
114.315	Combustion—Molecules In Action (color) _____ Hydrogen is prepared from water by electrolysis. The hydrogen is tested by burning it with oxygen to form water. A theory of chemical reactions is developed in terms of the motions of molecules. Animated drawings are used to show molecular motion.	3	1200	Sci.	A	215.00	39	66
114.316	Atoms and Their Weights _____	3	1200	Sci.	A	107.50	39	66
114.317	Atoms and Their Weights (color) _____ The atoms are given a charge and speed and are then deflected in electric and magnetic fields. Those atoms deflected least are the heaviest. The kinds of weight units commonly used are reviewed.	3	1200	Sci.	A	215.00	39	66
114.318	Oxygen: The Earth's Most Abundant Element	3	1200	Sci.	A	107.50	39	66
114.319	Oxygen: The Earth's Most Abundant Element (color) _____ Our most familiar element, oxygen, is discussed. Some oxygen is prepared from potassium chlorate and the effect of manganese dioxide as a catalyst is shown. Some reactions of the oxygen are also shown.	3	1200	Sci.	A	215.00	39	66
114.320	Molecules and Their Weights _____	3	1200	Sci.	A	107.50	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
114.321	Molecules and Their Weights (color) Molecules have definite weights — the sum of the weights of the atoms in the molecules. Calculations are illustrated for oxygen gas, ozone, water, methane, butane, carbon dioxide, hydrogen gas, nitric oxide, nitrous oxide, and ethyl alcohol.	3	1200	Sci.	A	215.00	39	66
114.322	Weighing—The Analytical Balance	3	1200	Sci.	A	107.50	39	66
114.323	Weighing—The Analytical Balance (color) The various parts of the balance are shown and their functions are discussed. A method for weighing accurately is shown. The object, a flash bulb, is then removed from the balance, ignited, cooled, and reweighed. No significant change in weight is found.	3	1200	Sci.	A	215.00	39	66
114.324	The Mole Concept	3	1200	Sci.	A	107.50	39	66
114.325	The Mole Concept (color) In the laboratory the chemist works with samples of substance having large numbers of atoms and molecules and not with individual atoms and molecules. For this reason the concept of mole is introduced.	3	1200	Sci.	A	215.00	39	66
114.326	Using the Mole Concept ..	3	1200	Sci.	A	107.50	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
114.327	Using the Mole Concept (color) _____ The concept of the mole is enlarged to include particles other than the atom. Illustrations are given for calculating the numbers of grams of reacting substances from the numbers of moles of reacting substances.	3	1200	Sci.	A	215.00	39	66
114.328	The Empirical Formula of A Compound _____	3	1200	Sci.	A	107.50	39	66
114.329	The Empirical Formula of A Compound (color) _____ An experimental determination is made of the empirical formula of a compound.	3	1200	Sci.	A	215.00	39	66
114.330	Brief Review, Lessons 1-14, A First Look At Hydrogen _____	3	1200	Sci.	A	107.50	39	66
114.331	Brief Review, Lessons 1-14, A First Look At Hydrogen (color) _____ Hydrogen, the lightest element, is considered: symbol and atomic weight; formula and molecular weight, abundance; lifting power; explosive reaction with oxygen; preparation with zinc and an acid; test of the gas for purity; and action on a burning splint.	3	1200	Sci.	A	215.00	39	66
114.332	Mole and Weight Relationships In Chemical Reactions _____	3	1200	Sci.	A	107.50	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
114.333	Mole and Weight Relationships In Chemical Reactions (color) The combustions of ethyl alcohol and ethane are considered. The structure of alcohol is related to that of water. The moles of substances represented in chemical equations are used to show how the weights of the reactants and the weights of the products can be calculated directly.	3	1200	Sci.	A	215.00	39	66
114.334	Laws of Stoichiometry and The Atomic Theory	3	1200	Sci.	A	107.50	39	66
114.335	Laws of Stoichiometry and The Atomic Theory (color) Some of the facts of chemical reactions, especially those about the relative amounts of substances which react with one another (stoichiometry) are summarized in general statements, often called laws.	3	1200	Sci.	A	215.00	39	66
114.336	Introduction To Gas Behavior	3	1200	Sci.	A	107.50	39	66
114.337	Introduction To Gas Behavior (color) Gives an introductory explanation of gas behavior. Also shows that the assumptions (postulates) of the kinetic-molecular theory result in a picture of gases which enables us to explain the experimental behavior of gases.	3	1200	Sci.	A	215.00	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
114.338	Gas Pressure: Origin and Measurement _____	3	1200	Sci.	A	107.50	39	66
114.339	Gas Pressure: Origin and Measurement (color) ____ The variables used for gases are reviewed, but in this lesson pressure and its relation to the number of moles (volume and temperature being kept constant) will be studied particularly.	3	1200	Sci.	A	215.00	39	66
114.340	Partial Pressure: Boyle's	3	1200	Sci.	A	107.50	39	66
114.341	Partial Pressures: Boyle's (color) _____ The variation of pressure with volume is measured (at constant temperature and number of moles). The pressure unit, the atmosphere, is defined. The variation of pressure with volume is discussed. Some data are obtained experimentally.	3	1200	Sci.	A	215.00	39	66
114.342	The "Gas" Temperature Scale: Absolute Zero ____	3	1200	Sci.	A	107.50	39	66
114.343	The "Gas" Temperature Scale: Absolute Zero (color) _____ The relation between pressure and temperature at constant volume and number of moles is measured. Absolute zero is discussed and explained.	3	1200	Sci.	A	215.00	39	66
114.344	Gas Law Calculations— How Errors Arise In Experiments _____	3	1200	Sci.	A	107.50	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
114.345	Gas Law Calculations— How Errors Arise In Experiments (color) ———	3	1200	Sci.	A	215.00	39	66
	The relations between pressure and the varia- bles — volume, tempera- ture, and number of moles — are reviewed and new relations be- tween volume, tempera- ture, and number of moles are discussed. These relations are ap- plied, one by one, to a general gas problem.							
114.346	Speeds of Molecules— Gaseous Diffusion ———	3	1200	Sci.	A	107.50	39	66
114.347	Speeds of Molecules— Gaseous Diffusion (color) ———	3	1200	Sci.	A	215.00	39	66
	The experimental effect of temperature on pres- sure is explained in terms of the movement of the molecules. The speeds of diffusion of hydrogen chloride and ammonia are measured in a tube. The times of escape of oxygen gas and hydrogen gas from a vessel through a small hole are meas- ured.							
114.348	Standard Temperature and Pressure Gas Density and Molar Volume ———	3	1200	Sci.	A	107.50	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
114.349	Standard Temperature and Pressure Gas Density and Molar Volume (color) The common P, V, T units for gases are reviewed, and standard temperature and standard pressure (for gases) are defined. The densities of some gases are given. Avogadro's hypothesis is stated. The method is used to derive the empirical formula of acetylene from its percentage composition.	3	1200	Sci.	A	215.00	39	66
114.350	Determination of Molecular Weights of Gases	3	1200	Sci.	A	107.50	39	66
114.351	Determination of Molecular Weights of Gases (color) An experiment is carried out in which the weight of an unknown gas in a flask is compared with the weight of the same flask filled with oxygen. From these weights the molecular weight of the unknown gas can be determined.	3	1200	Sci.	A	215.00	39	66
114.352	Formulas: Empirical and Molecular Using Molar Volumes	3	1200	Sci.	A	107.50	39	66
114.353	Formulas: Empirical and Molecular Using Molar Volumes (color) Shows how to derive empirical and molecular formulas. Examples are given of different substances with the same empirical formula but different molecular formulas and of substances which have only empirical formulas because they do not have molecules.	3	1200	Sci.	A	215.00	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
114.354	Determination of Molecular Weights of Liquids and Solids	3	1200	Sci.	A	107.50	39	66
114.355	Determination of Molecular Weights of Liquids and Solids (color) This film shows that the molecular weight and molar weight of a liquid can be determined from the molar weight of its vapor. The Victor Meyer method is used. The molar weight of a solid is determined by dissolving it in a liquid whose freezing point can be measured.	3	1200	Sci.	A	215.00	39	66
114.356	Number-Weight-Volume Relationships—A Review	3	1200	Sci.	A	107.50	39	66
114.357	Number-Weight-Volume Relationships—A Review (color) Calculations are made showing how information read from equations can be used to the best advantage. The relations between the numbers of moles of reacting substances, stated in the equation, are used when possible.	3	1200	Sci.	A	215.00	39	66
114.358	A First Look At Atomic Structure	3	1200	Sci.	A	107.50	39	66
114.359	A First Look At Atomic Structure (color) The development of ideas about the structure of atoms in terms of the fundamental particles is traced. The results of Rutherford's experiments are reviewed. Emphasis on Wilson cloud chamber.	3	1200	Sci.	A	215.00	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
114.360	The Nucleus and The Neutral Atom	3	1200	Sci.	A	107.50	39	66
114.361	The Nucleus and The Neutral Atom (color) A periodic chart of the elements is introduced. Isotopes are discussed. Ions are discussed in terms of gain of extra electrons or loss of electrons by an atom.	3	1200	Sci.	A	215.00	39	66
114.362	Electronic Arrangements The Inert Gases	3	1200	Sci.	A	107.50	39	66
114.363	Electronic Arrangements The Inert Gases (color) Today, electrons in atoms are visualized as moving about rapidly and effectively filling the space around the nucleus in an atom. However, the probability of finding them is greatest at a certain distance from the nucleus. These ideas are applied to hydrogen, helium and lithium.	3	1200	Sci.	A	215.00	39	66
114.364	The Formation of Ionic Compounds	3	1200	Sci.	A	107.50	39	66
114.365	The Formation of Ionic Compounds (color) It is shown how an ionic compound, sodium fluoride, is formed. Formation of ionic compounds from atoms of lithium, beryllium, oxygen, and hydrogen is illustrated.	3	1200	Sci.	A	215.00	39	66
114.366	Ionic Compounds and Ionic Binding	3	1200	Sci.	A	107.50	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
114.367	Ionic Compounds and Ionic Binding (color) It is shown that when both ions of an ionic compound have equal, (but opposite) charges, there are equal numbers of the two kinds of ions. Shows their arrangement when they assemble to form a solid. Also, atoms to the right and to the left of the noble gas family are examined. Metallic and non-metallic atoms are also described.	3	1200	Sci.	A	215.00	39	66
114.368	Covalent Binding	3	1200	Sci.	A	107.50	39	66
114.369	Covalent Binding (color) Covalent binding is described as the formation of a pair of electrons shared by two atoms. This is explained in detail. Lewis structures and Dash structures are explained. Points out the atoms joined by covalent bonds are not charged ions.	3	1200	Sci.	A	215.00	39	66
114.370	Ionic and Covalent Binding Contrasted	3	1200	Sci.	A	107.50	39	66
114.371	Ionic and Covalent Binding Contrasted (color) Covalent bonding in a triatomic molecule is illustrated further with hypochlorous acid as the example. Some general differences between the properties of ionic compounds and covalent compounds are stressed.	3	1200	Sci.	A	215.00	39	66
114.372	Water, Its Structure, Polar Molecules	3	1200	Sci.	A	107.50	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
114.373	Water, Its Structure, Polar Molecules (color) The structure of water molecules is used as a basis for discussing polar molecules, electrical symmetry in molecules and dipoles.	3	1200	Sci.	A	215.00	39	66
114.374	Water: Some of Its Properties	3	1200	Sci.	A	107.50	39	66
114.375	Water: Some of Its Properties (color) Some peculiar properties of water are related to its molecular structure. Water is used without success to put out a magnesium fire. Students are asked to explain.	3	1200	Sci.	A	215.00	39	66
114.376	Water: Its Peculiar Properties Table Salt: Its Structure	3	1200	Sci.	A	107.50	39	66
114.377	Water: Its Peculiar Properties Table Salt: Its Structure (color) The peculiar properties of water are shown. The structure of sodium chloride, an ionic solic compound, is examined in some detail: the way the ions are arranged, the number of neighbors of each ion, and the absolute sizes of the sodium and chloride ions.	3	1200	Sci.	A	215.00	39	66
114.378	Ionic compounds and Electrical Conductivity	3	1200	Sci.	A	107.50	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
114.379	Ionic Compounds and Electrical Conductivity (color)	3	1200	Sci.	A	215.00	39	66
	Conductivity measurements are made for several substances under different conditions. Shows that pure water does not conduct but when salt is dissolved in it the solution is conducting. The electron structures of sulfate ion and hydroxide ion are given.							
114.380	Ionic Compounds Continued Precipitation	3	1200	Sci.	A	107.50	39	66
114.381	Ionic Compounds Continued Precipitation (color)	3	1200	Sci.	A	215.00	39	66
	Conductivities of ionic compounds are tested. New ions included are barium ions; calcium ions; and nitrate ions.							
114.382	How Salts Dissolve In Water	3	1200	Sci.	A	107.50	39	66
114.383	How Salts Dissolve in Water (color)	3	1200	Sci.	A	215.00	39	66
	Dynamic equilibrium and saturated solutions are shown and explained. Animated sequences show the molecular action that takes place when salts dissolve in water.							
114.384	Hydrogen Chloride, Preparation and Properties	3	1200	Sci.	A	107.50	39	66
114.385	Hydrogen Chloride, Preparation and Properties (color)	3	1200	Sci.	A	215.00	39	66
	Shows that hydrogen chloride is a molecular substance which does not consist of ions. It is not electrically conducting as a gas, a liquid, or a solid. Two methods for preparing gaseous hydrogen chloride are covered.							

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
114.386	Acids and Bases: An Introduction	3	1200	Sci.	A	107.50	39	66
114.387	Acids and Bases: An Introduction (color) Seven solutions are tested with respect to taste, feel, and effect on grape juice, tea, litmus paper, "yellow" paper, and magnesium. From the evidence, three of the solutions may be classified as acids, three as bases, and one as neutral.	3	1200	Sci.	A	215.00	39	66
114.388	Developing An Acid-Base Theory	3	1200	Sci.	A	107.50	39	66
114.389	Developing An Acid-Base Theory (color) The Bronsted-Lowry theory is developed. Spectator ions are explained. Shows that a general acid base theory can be developed in which all proton (H^+) donors are called acids and all proton acceptors are called bases.	3	1200	Sci.	A	215.00	39	66
114.390	A Typical Acid-Base Reaction Indicators	3	1200	Sci.	A	107.50	39	66
114.391	A Typical Acid-Base Reaction Indicators (color) The Bronsted-Lowry theory is reviewed and new terms are introduced. A base always has a charge more positive (by one unit) than its conjugate base. Acid-base indicators are described as acids or bases with characteristic colors.	3	1200	Sci.	A	215.00	39	66
114.392	Relative Strengths of Acids and Bases	3	1200	Sci.	A	107.50	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
114.393	Relative Strengths of Acids and Bases (color) _____ The problem, "what happens when a hydrochloric acid solution is treated with an excess of sodium hydroxide solutions," is discussed. On the basis of experiments involving competition for protons, a table is developed in which acids are listed ranging from stronger to weaker.	3	1200	Sci.	A	215.00	39	66
114.394	Construction of An Acid-Base Table _____	3	1200	Sci.	A	107.50	39	66
114.395	Construction of An Acid-Base Table (color) _____ The behavior of an acetic acid solution is compared with that of a hydrochloric acid solution. Also, a test shows that when the poorly conducting acetic acid and ammonia solutions are mixed, a strongly conducting solution is produced.	3	1200	Sci.	A	215.00	39	66
114.396	Using An Acid-Base Table _____	3	1200	Sci.	A	107.50	39	66
114.397	Using An Acid-Base Table (color) _____ The acid-base tables are extended to include other strong acids with their conjugate bases and other weak acids with their conjugate bases. Reactions are also carried out with additional indicators: phenolphthalein, methyl orange, and litmus.	3	1200	Sci.	A	215.00	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
114.398	Making Solutions of Known Concentration —	3	1200	Sci.	A	107.50	39	66
114.399	Making Solutions of Known Concentration (color) — Two methods for expressing concentrations of solutions are discussed: percent by weight, and molarity. A method is shown for preparing more dilute solutions from concentrated ones.	3	1200	Sci.	A	215.00	39	66
114.400	An Acid-Base Titration —	3	1200	Sci.	A	107.50	39	66
114.401	An Acid-Base Titration (color) — Burets and the techniques for filling and operating are shown. A hydrochloric acid solution of known concentration is placed in one buret, and a solution of sodium hydroxide whose concentration is to be determined is placed in the second buret.	3	1200	Sci.	A	215.00	39	66
114.402	Titration of A Weak Acid Calculations —	3	1200	Sci.	A	107.50	39	66
114.403	Titration of A Weak Acid Calculations (color) — The sodium hydroxide, standardized in an acid base titration, will be used to determine the concentration of acetic acid in commercial vinegar. In this titration phenolphthalein is used as the indicator. Three problems, based on titration, are solved in detail.	3	1200	Sci.	A	215.00	39	66
114.404	Dynamic Equilibrium —	3	1200	Sci.	A	107.50	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
114.405	Dynamic Equilibrium (color) _____	3	1200	Sci.	A	215.00	39	66
	Dynamic equilibrium is shown and explained. Sets of cylinders containing a layer of water on a layer of carbon tetrachloride are set up and iodine is dissolved in these different layers. At the final equilibrium state the rates of movement of iodine in the two directions are equal.							
114.406	Chemical Equilibrium, A Typical Weak Acid _____	3	1200	Sci.	A	107.50	39	66
114.407	Chemical Equilibrium, A Typical Weak Acid (color) _____	3	1200	Sci.	A	215.00	39	66
	The reaction between acetic acid and water is studied as a further example of equilibrium.							
114.408	A Summary of Equilibrium Principles _____	3	1200	Sci.	A	107.50	39	66
114.409	A Summary of Equilibrium Principles (color) _____	3	1200	Sci.	A	215.00	39	66
	The factors affecting equilibrium are reviewed. The known factors are used to make quantitative statements which can be expressed in algebraic form to develop an "equilibrium constant" expression for the reaction of acetic acid with water.							
114.410	The Le Chatelier Principle	3	1200	Sci.	A	107.50	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
114.411	The Le Chatelier Principle (color) _____ The effects of change in concentration of acetic acid, hydronium ion and acetate ion on the equilibrium between acetic acid and water are shown. The principle is applied to the ethyl acetate equilibrium.	3	1200	Sci.	A	215.00	39	66
114.412	Applications of The Le Chatelier Principle _____	3	1200	Sci.	A	107.50	39	66
114.413	Applications of the Le Chatelier Principle (color) _____ The principle of Le Chatelier is applied to a general chemical reaction, represented by a general equation, which may include heat effects. It is applied to the burning of carbon in air with the evolution of heat and to the burning of a candle.	3	1200	Sci.	A	215.00	39	66
114.414	The pH Scale _____	3	1200	Sci.	A	107.50	39	66
114.415	The pH Scale (color) _____ The pH scale is explained and examined. Shows that the pH scale uses the exponents of the H_3O^+ concentration (without the minus sign). pH values are measured on a pH meter for a number of common solutions.	3	1200	Sci.	A	215.00	39	66
114.416	Buffer Solutions Review -	3	1200	Sci.	A	107.50	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
114.417	Buffer Solutions Review (color) Typical buffer reactions are shown. Thermochemistry is introduced. The calorie and the kilocalorie are defined. A calorimeter is shown.	3	1200	Sci.	A	215.00	39	66
114.418	Thermochemistry, Temperature and Reaction Extents	3	1200	Sci.	A	107.50	39	66
114.419	Thermochemistry, Temperature and Reaction Extents (color) The principle of Le Chatelier is used to show that the heat of reaction enables us to predict how change in temperature produces changes in the equilibrium concentrations.	3	1200	Sci.	A	215.00	39	66
114.420	Rates of Chemical Reactions	3	1200	Sci.	A	107.50	39	66
114.421	Rates of Chemical Reactions (color) The effects of temperature and of particle size are demonstrated for the dissolving of potassium dichromate. The "Iodine-clock" reaction is carried out at various temperatures and with various concentrations of reagents and the resulting reaction times are measured.	3	1200	Sci.	A	215.00	39	66
114.422	Reaction Rates, Temperature and Reaction Extents	3	1200	Sci.	A	107.50	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
114.423	Reaction Rates, Temperature and Reaction Extents (color)	3	1200	Sci.	A	215.00	39	66
	A pressure cooker is used to show how higher temperatures, with accompanying higher pressures, can be obtained with boiling water to give faster cooking rates. A reflux condenser for maintaining steady temperatures is shown. A dust explosion demonstrates the effect of large surface.							
114.424	Laboratory Techniques and Apparatus—I	3	1200	Sci.	A	107.50	39	66
114.425	Laboratory Techniques and Apparatus—I (color)	3	1200	Sci.	A	215.00	39	66
	Laboratory techniques and apparatus are described and discussed. Safety procedures are also described.							
114.426	Laboratory Techniques and Apparatus—II	3	1200	Sci.	A	107.50	39	66
114.427	Laboratory Techniques and Apparatus—II (color)	3	1200	Sci.	A	215.00	39	66
	Laboratory techniques and apparatus are described and discussed. Safety procedures are also described.							
114.428	Covalent Binding — A Review Its Geometry ..	3	1200	Sci.	A	107.50	39	66
114.429	Covalent Binding — A Review Its Geometry (color)	3	1200	Sci.	A	215.00	39	66
	The geometry of covalent binding is examined. It is pointed out that the number of covalent bonds formed by an atom is related to the number of the unpaired electrons in its outer level.							

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
114.430	Carbon	3	1200	Sci.	A	107.50	39	66
114.431	Carbon (color) The structure and properties of carbon are shown and examined. The structure of the diamond crystal is related to the tetrahedral nature of the carbon atom.	3	1200	Sci.	A	215.00	39	66
114.432	Multiplicity of Carbon Compounds	3	1200	Sci.	A	107.50	39	66
114.433	Multiplicity of Carbon Compounds (color) Shows that carbon atoms are peculiar in their ability to form long chains in which carbon atoms are attached to other carbon atoms and that they may be bonded by the remaining bonds to hydrogen atoms or other atoms. "Straight" chains, "branched" chains and "ring" chains are shown.	3	1200	Sci.	A	215.00	39	66
114.434	Geometry of Carbon Compounds Isomerism	3	1200	Sci.	A	107.50	39	66
114.435	Geometry of Carbon Compounds Isomerism (color) Isomers are examined and explained. Shows that carbon atoms form bonds with other carbon atoms and since each carbon atom can form four different bonds, straight chains and branched chains and rings (or cycles) can be formed.	3	1200	Sci.	A	215.00	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
114.436	Alkanes, The Saturated Hydrocarbons	3	1200	Sci.	A	107.50	39	66
114.437	Alkanes, The Saturated Hydrocarbons (color) — Shows that the series of saturated hydrocarbons form a homologous series, the alkanes. The first eight are discussed. Points out that one of the chemical properties of the alkanes is their ability to undergo substitution reactions.	3	1200	Sci.	A	215.00	39	66
114.438	Petroleum	3	1200	Sci.	A	107.50	39	66
114.439	Petroleum (color) — The history, uses, and distillation of petroleum are discussed. Fractional distillation is illustrated with the partial separation of an alcohol — water solution.	3	1200	Sci.	A	215.00	39	66
114.440	Gasoline and Motor Fuels	3	1200	Sci.	A	107.50	39	66
114.441	Gasoline and Motor Fuels (color) Octane number is discussed. Shows that most of the gasoline used is made by breaking down (cracking) large molecules of the gasoline range, by building up (polymerizing) molecules from smaller molecules, and by rearranging straight-chain hydrocarbons.	3	1200	Sci.	A	215.00	39	66
114.442	Alkenes and Alkynes, The Unsaturated Hydrocarbons	3	1200	Sci.	A	107.50	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
114.443	Alkenes and Alkynes, The Unsaturated Hydrocarbons (color) Alkyl groups are discussed. Shows that the simplest alkene is ethene and if a triple bond is present four fewer hydrogen atoms are present. Bromine is used to show the existence of unsaturated compounds in gasoline.	3	1200	Sci.	A	215.00	39	66
114.444	Alcohols	3	1200	Sci.	A	107.50	39	66
114.445	Alcohols (color) The alkyl group and the hydroxyl group are examined. Shows that alcohol molecules, like water molecules, are polar and can form hydrogen bridges in the liquid.	3	1200	Sci.	A	215.00	39	66
114.446	Compounds Containing the Carbonyl Group	3	1200	Sci.	A	107.50	39	66
114.447	Compounds Containing the Carbonyl Group (color) The types of compounds discussed are: aldehydes, functional group,—CHO; ketones, functional group, CO; carboxylic acids, functional group, COOH: and esters.	3	1200	Sci.	A	215.00	39	66
114.448	Organic Compounds containing Nitrogen	3	1200	Sci.	A	107.50	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
114.449	Organic Compounds Containing Nitrogen (color) Shows that the bonding behavior of nitrogen in organic compounds is intermediate between that of oxygen and that of carbon. Also points out that nitro groups are formed when toluene and phenol are treated with nitric acid to form trinitrotoluene (TNT) and trinitrophenol (picric acid).	3	1200	Sci.	A	215.00	39	66
114.450	Dyes—Some Principles of Organic Synthesis	3	1200	Sci.	A	107.50	39	66
114.451	Dyes—Some Principles of Organic Synthesis (color) Structures of sulfanilamide and p-amino benzoic acid are shown. The making of new compounds is called synthesis. Some general methods are shown.	3	1200	Sci.	A	215.00	39	66
114.452	Synthetic Polymers I	3	1200	Sci.	A	107.50	39	66
114.453	Synthetic Polymers I (color) Shows that synthetic polymers are made from substances with relatively small molecules (monomers) by combining them into larger units. Examples of commercial polymers are discussed.	3	1200	Sci.	A	215.00	39	66
114.454	Synthetic Polymers II	3	1200	Sci.	A	107.50	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
114.455	Synthetic Polymers II (color) Points out that synthetic rubbers are made from diene polymers or copolymers. Shows that nylon is an example of a copolymer made by condensation.	3	1200	Sci.	A	215.00	39	66
114.456	Natural Polymers Carbohydrates and Proteins	3	1200	Sci.	A	107.50	39	66
114.457	Natural Polymers Carbohydrates and Proteins (color) Natural polymers, carbohydrates and proteins are examined. Shows that proteins are polymers of amino acids formed by condensation.	3	1200	Sci.	A	215.00	39	66
114.458	Biochemistry, A General View	3	1200	Sci.	A	107.50	39	66
114.459	Biochemistry, A General View (color) Points out that the organic material in animals includes protein and fat in relatively large amounts and that carbohydrates are present in lesser amount. Also, vitamins, enzymes, and hormones are essential even though only small amounts are needed.	3	1200	Sci.	A	215.00	39	66
114.460	Carbohydrates and Fats ...	3	1200	Sci.	A	107.50	39	66
114.461	Carbohydrates and Fats (color) Starch, cellulose, simple sugars, disaccharides, sucrose, lactose, polymer carbohydrates, glucose, fatty acids, oils, and soaps are all examined. The spinning of a cellulose acetate rayon is shown.	3	1200	Sci.	A	215.00	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
114.462	Proteins, Enzymes	3	1200	Sci.	A	107.50	39	66
114.463	Proteins, Enzymes (color) The effect of catalase (an enzyme) on hydro- gen peroxide is demon- strated. Demonstrations of some enzyme reac- tions include: action of pepsin on egg (hydroly- sis reaction), action of amylase (in saliva) on starch (hydrolysis reac- tion), and the action of yeast on sugar (fermen- tation reaction).	3	1200	Sci.	A	215.00	39	66
114.464	Chemical Reactions in Higher Plants	3	1200	Sci.	A	107.50	39	66
114.465	Chemical Reaction in Higher Plants (color) ... Autotrophs, photosynthe- sis, heterotrophs and chlorophyll are exam- ined.	3	1200	Sci.	A	215.00	39	66
114.466	Chemical Reactions in The Animal Body	3	1200	Sci.	A	107.50	39	66
114.467	Chemical Reactions in the Animal Body (color) Shows that since en- zymes are effective only in restrictive pH ranges, different enzymes are ac- tive in the stomach and the intestine. Chemical reactions in the animal body are examined.	3	1200	Sci.	A	215.00	39	66
114.468	Some Typical Biochemical Laboratory Tests	3	1200	Sci.	A	107.50	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
114.469	Some Typical Biochemical Laboratory Tests (color) The Molisch test for carbohydrates, the iodine test for starch, the Tollens, Fehling and Benedict tests for sugars, the osazone reaction with sugars, tests for proteins, and tests for fats are examined. An experiment is carried out to show the relation of pH to the action of the enzyme, amylase, on starch.	3	1200	Sci.	A	215.00	39	66
114.470	Structural Properties of Simple Ions	3	1200	Sci.	A	107.50	39	66
114.471	Structural Properties of Simple Ions (color) Formation of ions from atoms is illustrated for those whose atomic numbers range from 1 to 14. Shows that positive and negative ions form ionic compounds in which the total charge is zero. Formulas for some compounds are shown.	3	1200	Sci.	A	215.00	39	66
114.472	Reactivities of Atoms And The Periodic Table	3	1200	Sci.	A	107.50	39	66
114.473	Reactivities of Atoms And The Periodic Table (color) In this lesson comparisons are made between atoms (and their ions) in vertical solumns of the periodic table. Some of the effects of amount of charge on ions and on the sizes of ions are shown in the melting points and hardness of ionic compounds.	3	1200	Sci.	A	215.00	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
114.474	A Family of Elements, The Alkali Metals	3	1200	Sci.	A	107.50	39	66
114.475	A Family of Elements, The Alkali Metals (color)..... Some of the reactions of sodium are shown; burning, reaction with water. Reaction of lithium and of potassium with water is also shown.	3	1200	Sci.	A	215.00	39	66
114.476	The Alkali Metals, Oxidation-Reduction	3	1200	Sci.	A	107.50	39	66
114.477	The Alkali Metals, Oxidation-Reduction (color)..... Lithium chloride, a solid salt, is heated until it melts. When two electrodes are placed into the melt and electric current is passed through it, silvery white lithium metal is formed at one electrode and chlorine gas is formed at the other electrode. The reaction is explained by animation.	3	1200	Sci.	A	215.00	39	66
114.478	The Alkaline Earth Metals	3	1200	Sci.	A	107.50	39	66
114.479	The Alkaline Earth Metals (color)	3	1200	Sci.	A	215.00	39	66
	Molar quantities of the metals are shown. Reaction of II A elements with oxygen is illustrated by the burning of magnesium and of calcium. Hot magnesium metal is treated with steam. Hydrogen gas and magnesium oxide are formed.							
114.480	Groups IA and IIA Compared	3	1200	Sci.	A	107.50	39	66
114.481	Groups IA and IIA Compared (color)	3	1200	Sci.	A	215.00	39	66
	The metals in Groups IA and IIA are compared and similarities and differences between the groups are pointed out.							

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
114.482	Soluble and Insoluble Salts	3	1200	Sci.	A	107.50	39	66
114.483	Soluble and Insoluble Salts (color) An experiment is carried out to show how barium ions from a barium chloride solution can be removed by sulfate ions from a sodium sulfate solution to form a salt, barium sulfate, which is insoluble in water. The reaction between a barium hydroxide solution and a sulfuric acid solution is carried out.	3	1200	Sci.	A	215.00	39	66
114.484	Precipitation Reactions	3	1200	Sci.	A	107.50	39	66
114.485	Precipitation Reactions (color) A number of precipitation reactions are carried out. Shows that a special case is found when calcium ions and sulfate ions are mixed.	3	1200	Sci.	A	215.00	39	66
114.486	Equilibrium in Saturated Solutions of Salts Calcium Carbonate	3	1200	Sci.	A	107.50	39	66
114.487	Equilibrium in Saturated Solutions of Salts Calcium Carbonate (color)..... Precipitation is studied from the point of view of the equilibrium that exists between a solid and its dissolved ions in water solution. A saturated solution of calcium hydroxide, which may be classed as "slightly soluble," is used as an example.	3	1200	Sci.	A	215.00	39	66
114.488	The Chemistry of Lime.....	3	1200	Sci.	A	107.50	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
114.489	The Chemistry of Lime (color) _____ Reactions of oxide ion with water and calcium oxide with water and the decomposition of calcium hydroxide by heat are discussed. Calcium carbonate is heated to produce calcium oxide.	3	1200	Sci.	A	215.00	39	66
114.490	Hard Water-Its Formation	3	1200	Sci.	A	107.50	39	66
114.491	Hard Water-Its Formation (color) _____ An experiment is carried out showing that calcium hydroxide in water reacts with carbon dioxide to form a precipitate, and that the precipitate dissolves when an excess of carbon dioxide is used.	3	1200	Sci.	A	215.00	39	66
114.492	Hard Water-Its Treatment Ion Exchange _____	3	1200	Sci.	A	107.50	39	66
114.493	Hard Water-Its Treatment Ion Exchange (color) _____ Shows how hard water can be softened by "ion exchange" and other methods.	3	1200	Sci.	A	215.00	39	66
114.494	Precipitation and Inorganic Synthesis _____	3	1200	Sci.	A	107.50	39	66
114.495	Precipitation and Inorganic Synthesis (color) _____ Points out that lime or calcium carbonate may be used by the farmer to neutralize acids in the soil. A method is shown for preparing calcium chloride, which is soluble, from calcium nitrate, which is also soluble.	3	1200	Sci.	A	215.00	39	66
114.496	Washing Soda, Soap and Synthetic Detergents _____	3	1200	Sci.	A	107.50	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
114.497	Washing Soda, Soap and Synthetic Detergents (color) _____ Reactions of sodium carbonate, an important commercial compound, are discussed and shown. The stearate ion is examined.	3	1200	Sci.	A	215.00	39	66
114.498	The Chemistry of Sodium Bicarbonate _____	3	1200	Sci.	A	107.50	39	66
114.499	The Chemistry of Sodium Bicarbonate (color) _____ The chemistry of sodium bicarbonate is examined. Points out that such materials as bicarbonate ions and water molecules which may react either as acids or bases are called "amphoteric" or "amphiprotic."	3	1200	Sci.	A	215.00	39	66
114.500	The Ammonia Soda Process _____	3	1200	Sci.	A	107.50	39	66
114.501	The Ammonia Soda Process (color) _____ The Solvay process for making sodium bicarbonate and sodium carbonate is studied as an example of an industrial process using some of the reactions discussed in previous lessons. Some typical industrial plants and operations are shown.	3	1200	Sci.	A	215.00	39	66
114.502	Experiments with Acidic Cations _____	3	1200	Sci.	A	107.50	39	66
114.503	Experiments with Acidic Cations (color) _____ The chemistry of Be++ ions, Mg++ ions, and Al+++ ions is studied and compared with the chemistry of CA++ ions.	3	1200	Sci.	A	215.00	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
114.504	Introduction to Ion Hydration _____	3	1200	Sci.	A	107.50	39	66
114.505	Introduction to Ion Hydration (color) _____ Ion hydration is shown and examined. Water is shown to have a great effect on the dissolving of sodium chloride. The hydration of anhydrous, colorless copper sulfate is demonstrated.	3	1200	Sci.	A	215.00	39	66
114.506	Colors of Aquo Complex Ions Coordination Number _____	3	1200	Sci.	A	107.50	39	66
114.507	Colors of Aquo Complex Ions Coordination Number (color) _____ Colors of aquo complex ions are shown and the coordination number is discussed and examined. The behavior of copper chloride, nickel chloride and cobalt chloride solutions is observed when concentrated hydrochloric acid solution is added.	3	1200	Sci.	A	215.00	39	66
114.508	Relating Structural and Chemical Properties-An Example _____	3	1200	Sci.	A	107.50	39	66
114.509	Relating Structural and Chemical Properties-An Example (color) _____ An example of relating structural and chemical properties is given. The geometry of complex ions around a central ion is illustrated in terms of the possible arrangements of spheres of a given size around a smaller central sphere. The similar effects of Be and Al ions are explained.	3	1200	Sci.	A	215.00	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
114.510	Gelatinous Hydroxides Amphoterism	3	1200	Sci.	A	107.50	39	66
114.511	Gelatinous Hydroxides Amphoterism (color) The precipitation of the gelatinous precipitate, hydrated aluminum hydroxide, is explained in terms of an acid-base reaction between the weakly acidic $Al(H_2O)_6^{+++}$ ion and the strongly basic OH^- ion to produce a weaker acid, uncharged insoluble $Al(H_2O)_3(OH)_3$ and a weaker base, water.	3	1200	Sci.	A	215.00	39	66
114.512	The Transition Metals-An Introduction	3	1200	Sci.	A	107.50	39	66
114.513	The Transition Metals-An Introduction (color) The structures of some of the elements and of their ions are shown. Many of the ions of the transition series are colored. The colors of the aquo complex ions of the first transition series of elements are shown. Lack of color of ions is correlated with complete energy levels in the ions.	3	1200	Sci.	A	215.00	39	66
114.514	Experiments with some Typical Transition Metal Ions	3	1200	Sci.	A	107.50	39	66
114.515	Experiments with some Typical Transition Metal Ions (color) Separate solutions of cobalt II, copper II, zinc II and silver I nitrates are examined for colors of the hydrated cations and pH of the solutions.	3	1200	Sci.	A	215.00	39	66
114.516	Some Complex Ions of the Transition Metals	3	1200	Sci.	A	107.50	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
114.517	Some Complex Ions of the Transition Metals (color) _____ The reactions of concentrated hydrochloric acid on solutions of aquo complex ions are studied in detail. The reaction of ammonia on the hydrated complexes of cobalt, zinc, and silver ions is reviewed.	3	1200	Sci.	A	215.00	39	66
114.518	Some Applications of Complex Reactions _____	3	1200	Sci.	A	107.50	39	66
114.519	Some Applications of Complex Reactions (color) _____ Sodium thiosulfate is used to "fix" photographic film by dissolving off all undeveloped silver salts. Other complexing reactions are shown: citrate ion forms a complex with calcium ion to prevent precipitation of calcium salts; iron oxide can be dissolved by adding hydrofluoric acid.	3	1200	Sci.	A	215.00	39	66
114.520	Some Aspects of Complex Ion Theory _____	3	1200	Sci.	A	107.50	39	66
114.521	Some Aspects of Complex Ion Theory (color) _____ Examples are given to show that the bonds between the central atom (ion) and the groups attached to it cannot be explained by ion-dipole attraction alone, by acid-base reaction alone, or by charge, or charge-size alone. Examples of the geometric shapes of complex ions are given.	3	1200	Sci.	A	215.00	39	66
114.522	A Review of Valence Concepts-Oxidation Number	3	1200	Sci.	A	107.50	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
114.523	A Review of Valence Concepts-Oxidation Number (color) _____ Ionic binding is related to mutual attraction between charged atoms called ions. Covalent binding is interpreted in terms of shared electron pairs. Oxidation number, is determined in different ways for different situations. Some examples are given to illustrate the various aspects of valence.	3	1200	Sci.	A	215.00	39	66
114.524	Oxidation Number and the Making of Compounds_____	3	1200	Sci.	A	107.50	39	66
114.525	Oxidation Number and the Making of Compounds (color) _____ Methods of assigning oxidation numbers for hydrogen and for oxygen in compounds is reviewed and the differences between covalence, coordination number, and oxidation number are illustrated for sulfur in the sulfate ion and nitrogen in the nitrate ion.	3	1200	Sci.	A	215.00	39	66
114.526	An Introduction to Oxidation and Reduction _____	3	1200	Sci.	A	107.50	30	66
114.527	An Introduction to Oxidation and Reduction (color) _____ Electron transfer in oxidation - reduction reactions is related to that of proton transfer in acid-base reactions. Oxidizing half reactions are found for elementary oxygen but they also are found for such "oxidizers" as chlorine or steam.	3	1200	Sci.	A	215.00	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
114.528	Building an Oxidation Reduction Table	3	1200	Sci.	A	107.50	39	66
114.529	Building an Oxidation Reduction Table (color) An oxidation-reduction table is developed on the basis of experiments which show the relative strengths of reducing systems and oxidizing systems.	3	1200	Sci.	A	215.00	39	66
114.530	A Typical Electric Cell	3	1200	Sci.	A	107.50	39	66
114.531	A Typical Electric Cell (color) A typical electric cell is examined. Shows that zinc does react with copper ions to form ions and copper metal. This reaction is carried out in a "galvanic cell" to generate an electric current.	3	1200	Sci.	A	215.00	39	66
114.532	Electric Cells and the Faraday Laws	3	1200	Sci.	A	107.50	39	66
114.533	Electric Cells and the Faraday Laws (color) A Daniell cell is constructed in which the half-cell solutions are separated by a porous partition rather than by a salt bridge. Oxidation occurs at the anode. Reduction occurs at the cathode. The cell reactions illustrate Faraday's laws.	3	1200	Sci.	A	215.00	39	66
114.534	Equivalent Weight of Metals	3	1200	Sci.	A	107.50	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
114.535	Equivalent Weights of Metals (color) _____ The reaction between the zinc and hydrochloric acid is used to determine the weight of an equivalent of zinc and the charge on the zinc ion. The volume of hydrogen as pure hydrogen at standard pressure and temperature is calculated.	3	1200	Sci.	A	215.00	39	66
114.536	The Lead Storage Battery, The Dry Cell _____	3	1200	Sci.	A	107.50	39	66
114.537	The Lead Storage Battery, The Dry Cell (color)____ For the lead storage cell the reducing systems, the oxidizing systems, and the electrodes are described. The reactions occurring when the cell discharges and when the cell is charged are shown.	3	1200	Sci.	A	215.00	39	66
114.538	Some Chemical Experiments with A Daniel Cell	3	1200	Sci.	A	107.50	39	66
114.539	Some Chemical Experiments with A Daniel Cell Experiments are carried out on the familiar zinc-copper cell to show the effects of concentration charges.	3	1200	Sci.	A	215.00	39	66
114.540	Oxidation-Reduction Equations _____	3	1200	Sci.	A	107.50	39	66
114.541	Oxidation-Reduction Equations (color) _____ The method of half reactions is studied. Reactions between zinc and the copper aquo complex ion, zinc and hydronium ion, copper and hydronium ion and aluminum and hydronium are studied.	3	1200	Sci.	A	215.00	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
114.542	The Copper-Silver Ion Reaction A Quantitative Experiment _____	3	1200	Sci.	A	107.50	39	66
114.543	The Copper-Silver Ion Reaction A Quantitative Experiment (color) _____ A second method of deriving oxidation-reduction equations makes use of the changes of oxidation numbers in the reaction. This method is illustrated and is shown to give the same net equation as the method of half reactions.	3	1200	Sci.	A	215.00	39	66
114.544	Electrolysis I _____	3	1200	Sci.	A	107.50	39	66
114.545	Electrolysis I (color) _____ In electrolysis, reactions which do not occur spontaneously can be made to occur by placing the reactants between two electrodes and pumping electrons through the cell. The charging of a lead storage battery is given as an example.	3	1200	Sci.	A	215.00	39	66
114.546	Electrolysis II _____	3	1200	Sci.	A	107.50	39	66
114.547	Electrolysis II (color) _____ A solution of zinc iodide is electrolyzed in a cell containing some carbon tetrachloride. Also shows that electrolysis may be used to change the oxidation state of ions.	3	1200	Sci.	A	215.00	39	66
114.548	Types of Reactions, A Summary and Review _____	3	1200	Sci.	A	107.50	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
114.549	Types of Reactions, A Summary and Review (color) _____ In this lesson many of the chemical reactions are reviewed in terms of types of reaction. Oxidation, reduction reactions, acid-base reactions, precipitation reactions, and complex ion formation are studied.	3	1200	Sci.	A	215.00	39	66
114.550	The Halogens _____	3	1200	Sci.	A	107.50	39	66
114.551	The Halogens (color) _____ The chemistry of the halogens, the family of elements at the right side of the periodic table, is studied in a systematic way. Methods of preparing chlorine gas from chloride ions are shown and ways of deriving the equations for the reactions and explained.	3	1200	Sci.	A	215.00	39	66
114.552	Chlorine _____	3	1200	Sci.	A	107.50	39	66
114.553	Chlorine (color) _____ Chlorine is prepared commercially by electrolysis of a sodium chloride brine. The cell, with its separating diaphragms and its electrodes, is shown and explained. The commercial process for electrolysis of brine is shown.	3	1200	Sci.	A	215.00	39	66
114.554	Fluorine, Bromine and Iodine _____	3	1200	Sci.	A	107.50	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
114.555	Fluorine, Bromine and Iodine (color) Potassium hydrogen fluoride is illustrated with crystal models. The commercial production of bromine is shown. Shows that iodine reacts with starch for a blue compound. This reaction is used as a delicate test for iodine.	3	1200	Sci.	A	215.00	39	66
114.556	Halogen Chemistry, A Summary	3	1200	Sci.	A	107.50	39	66
114.557	Halogen Chemistry, A Summary (color) The reactions of the halogens and their compounds is summarized. The oxidizing power of chlorine is used to purify drinking water and to bleach colored materials.	3	1200	Sci.	A	215.00	39	66
114.558	Laboratory Experiments With Halide Ions, Observations and Inferences	3	1200	Sci.	A	107.50	39	66
114.559	Laboratory Experiments With Halide Ions, Observations and Inferences (color) A series of experiments are carried out on the silver and mercury halides. Reactions are carried out to form red mercuric iodide precipitate which dissolves in an excess of mercuric ions or of iodide ions.	3	1200	Sci.	A	215.00	39	66
114.560	The Sulfur Family	3	1200	Sci.	A	107.50	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
114.561	The Sulfur Family (color) The sulfur family is studied. Several forms of crystalline sulfur are shown. A rubbery form of sulfur is formed by heating liquid sulfur to a high temperature and then chilling it suddenly.	3	1200	Sci.	A	215.00	39	66
114.562	Hydrogen Sulfide, Metal Sulfides _____	3	1200	Sci.	A	107.50	39	66
114.563	Hydrogen Sulfides, Metal Sulfides (color) _____ Several methods for preparing hydrogen sulfide and some of the properties of hydrogen sulfide are demonstrated. The precipitation reactions, to form metallic sulfides, are carried out on solutions of silver ion, cadmium ion, tin II ion, mercury II ion, and zinc ion.	3	1200	Sci.	A	215.00	39	66
114.564	Sulfur Oxides, Sulfuric Acid _____	3	1200	Sci.	A	107.50	39	66
114.565	Sulfur Oxides, Sulfuric Acid (color) _____ Shows that sulfur dioxide molecules have a bent structure similar to that of ozone. Their electron structure is shown. The operation of a commercial contact process plant is shown. Some of the properties of sulfuric acid are shown.	3	1200	Sci.	A	215.00	39	66
114.566	Nitrogen, Ammonia and Nitric Acid _____	3	1200	Sci.	A	107.50	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
114.567	Nitrogen, Ammonia and Nitric Acid (color) Ammonia is made synthetically from nitrogen and hydrogen by the Haber process. Nitrogen is obtained from air by fractional distillation of liquid air. Ammonia is prepared from ammonium ion. Its striking solubility in water is demonstrated.	3	1200	Sci.	A	215.00	39	66
114.568	Phosphorus and Its Compounds	3	1200	Sci.	A	107.50	39	66
114.569	Phosphorus and Its Compounds (color) Shows that the structures of phosphorus hydride, phosphorus trichloride, and phosphateion are what might be expected but that of phosphorus pentachloride is unusual. Elemental phosphorus is prepared at high temperature from calcium phosphate.	3	1200	Sci.	A	215.00	39	66
114.570	Silicon, Silica and Silicates	3	1200	Sci.	A	107.50	39	66
114.571	Silicon, Silica and Silicates (color) The chemistry of most silicon compounds is related to silicon-oxygen "tetrahedra" in the compounds. Shows that the properties of polymeric anions help to explain the properties of silicates.	3	1200	Sci.	A	215.00	39	66
114.572	Some Applications of Silicate Chemistry	3	1200	Sci.	A	107.50	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
114.573	Some Applications of Silicate Chemistry (color)..... Shows that the large polymeric groups in quartz and in silicates make them high melting, viscous when liquid, and difficult to crystallize. "Soft glass" and "hard glass" are examined. Some of the special properties of silica gel are shown.	3	1200	Sci.	A	215.00	39	66
114.574	Metals and Metallurgy I, Some Native Metals	3	1200	Sci.	A	107.50	39	66
114.575	Metals and Metallurgy I, Some Native Metals (color) The least reactive metals are considered in this lesson; namely, copper, mercury, silver, gold, and platinum. Effect of aqua regia is studied.	3	1200	Sci.	A	215.00	39	66
114.576	Metals and Metallurgy II, The Moderately Reactive Metals	3	1200	Sci.	A	107.50	39	66
114.577	Metals and Metallurgy II, The Moderately Reactive Metals (color) Mercuric sulfide is roasted. Lead oxide and copper oxide are reduced with hot charcoal and air. Limewater is used to show that carbon dioxide is a product. The thermite reaction is shown. Electro-refining is illustrated by use of copper.	3	1200	Sci.	A	215.00	39	66
114.578	Metals and Metallurgy III, The Very Reactive Metals	3	1200	Sci.	A	107.50	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
114.579	Metals and Metallurge III, The Very Reactive Metals (color) The five metals considered in this lesson are potassium, sodium, calcium, magnesium and aluminum. Aluminum is prepared from melted cryolite in which aluminum oxide is dissolved and then electrolyzed. A visit is made to an aluminum plant and commercial production shown.	3	1200	Sci.	A	215.00	39	66
114.580	Iron	3	1200	Sci.	A	107.50	39	66
114.581	Iron (color) The chemistry of iron is examined.	3	1200	Sci.	A	215.00	39	66
114.582	Steel - Alloys	3	1200	Sci.	A	107.50	39	66
114.583	Steel - Alloys (color The chemistry of the open hearth process is described. A model is used to show the structure of alloys. Effects of heating and quenching and cooling is demonstrated. The structure of austenite, the common phase in iron-carbon alloys at high temperature is shown. The structure of martensite is also shown.	3	1200	Sci.	A	215.00	39	66
114.584	Iron, Solution Chemistry I	3	1200	Sci.	A	107.50	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
114.585	Iron, Solution Chemistry I (color) _____	3	1200	Sci.	A	215.00	39	66
	This lesson begins a discussion of some typical reactions of iron and its ions. The specific reactions are introduced. Aqueous ions of iron (II) and iron (III) form precipitates with many other species. The reactions of each of them are demonstrated.							
114.586	Iron, Solution Chemistry II _____	3	1200	Sci.	A	107.50	39	66
114.587	Iron, Solution Chemistry II (color) _____	3	1200	Sci.	A	215.00	39	66
	In this lesson the study of the reactions of the ions $\text{Fe}(\text{H}_2\text{O})_6^{++}$ and $\text{Fe}(\text{H}_2\text{O})_6^{+++}$ is extended and it is shown that actually each of them is a "quadruple threat" reagent, undergoing not only acid-base and precipitation reactions but also complex forming and oxidation-reduction reactions.							
114.588	Iron Corrosion _____	3	1200	Sci.	A	107.50	39	66
114.589	Iron Corrosion (color) _____	3	1200	Sci.	A	215.00	39	66
	The reactions of aqueous iron (II) and iron (III) ions with the cyanide complexes of iron (II) and iron (III) are demonstrated. Pink cathodic areas and blue anodic areas are shown. Effects of greasing iron, plating it with copper or tin, or plating it with zinc are shown. Galvanic protection of iron is demonstrated.							

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
114.590	The Packing of Spheres Simple Solid Structures	3	1200	Sci.	A	107.50	39	66
114.591	The Packing of Spheres Simple Solid Structures (color) _____ Tennis balls are used to demonstrate the structural features of the packing of spheres. Two types of closest packing are shown. It is demonstrated that cubic close packing is also a face-centered cubic structure. The structures of some simple salts of formula MX are indicated.	3	1200	Sci.	A	215.00	39	66
114.592	Measuring the Size of a Molecule an Experiment	3	1200	Sci.	A	107.50	39	66
114.593	Measuring the Size of a Molecule an Experiment (color) _____ Measuring the size of a molecule is demonstrated in an experiment.	3	1200	Sci.	A	215.00	39	66
114.594	Units, Significant Figures Large and Small Numbers _____	3	1200	Sci.	A	107.50	39	66
114.595	Units, Significant Figures Large and Small Numbers (color) _____ In this lesson attention is directed to units, significant figures, and the use of powers of ten in expressing very large or very small numbers.	3	1200	Sci.	A	215.00	39	66
114.596	Determining Structures, A Simple Approach _____	3	1200	Sci.	A	107.50	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
114.597	Determining Structure, A Simple Approach (color) An analogy in determining structures in two dimensions is presented in this lesson. A powder camera used in x-ray diffraction studies is shown. The x-ray diffraction patterns for five different substances taken in such a camera are shown. Models of some common atomic and ionic substances are also shown.	3	1200	Sci.	A	215.00	39	66
114.598	Radioactivity and Radiochemistry I	3	1200	Sci.	A	107.50	39	66
114.599	Radioactivity and Radiochemistry I (color) Some of Becquerel's work and that of the Curies and Rutherford is reviewed. A gas discharge tube is demonstrated. Two experiments involving radioactive "tracers" are begun. A precipitate of lead iodide, PbI_2 , is formed.	3	1200	Sci.	A	215.00	39	66
114.600	Radioactivity and Radiochemistry II	3	1200	Sci.	A	107.50	39	66
114.601	Radioactivity and Radiochemistry II (color) Properties of the three radiations, alpha, beta, and gamma, are reviewed and contrasted. By demonstration it is shown that alpha particles discharge an electroscope but are stopped by a sheet of paper. By use of a Geiger counter it is shown that beta particles are stopped effectively by one-quarter inch of lead.	3	1200	Sci.	A	215.00	39	66
114.602	Chemistry of Photography	3	1200	Sci.	A	107.50	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
114.603	Chemistry of Photograph (color) _____ The photographic process is considered in the five steps, preparation of the light sensitive emulsion, exposure, development, fixing, and printing. An experiment is done in which the developing of a print in a dark room is simulated.	3	1200	Sci.	A	215.00	39	66
114.604	Planning A Career Courses, College, Chemistry _____	3	1200	Sci.	A	107.50	39	66
114.605	Planning A Career Courses, College, Chemistry (color) _____ A typical program in college for the chemistry major is outlined and discussed. Some magazine with readable articles on science are shown. A series of publications devoted to careers in science and engineering are shown. A visit is made to the research laboratories of an industrial chemical plant.	3	1200	Sci.	A	215.00	39	66
114.606	Chemists at Work I _____	3	1200	Sci.	A	107.50	39	66
114.607	Chemists at Work I (color) _____ We visit a pilot plant of a major oil company; a chlorine plant; a gas analysis laboratory; a silver plating company; a pharmaceutical house; a large laboratory operated for the United States Atomic Energy Commission. A plea is made to the student to consider teaching as a career.	3	1200	Sci.	A	215.00	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued								
Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
114.608	Chemistry at Work II Special Instruments	3	1200	Sci.	A	107.50	39	66
114.609	Chemistry at Work II Special Instruments (color)	3	1200	Sci.	A	215.00	39	66
	The instruments shown are: the electron microscope, the infra-red spectrophotometer, the ultracentrifuge, the emission spectrograph, the torsion balance, the recording microphotometer, the high temperature microscope, the Van de Graaff particle accelerator, and the nuclear magnetic resonance apparatus.							
114.610	Colloids	3	1200	Sci.	A	107.50	39	66
114.611	Colloids (color)	3	1200	Sci.	A	215.00	39	66
	Brownian experiments are done, precipitating silver chloride with and without added gelatin, to show how the added gelatin helps disperse the small crystals of silver chloride and keeps them from clumping together. A model of Cottrell precipitation is used to demonstrate the precipitation of a smoke.							
114.612	Qualitative Analysis I Introduction, Tests	3	1200	Sci.	A	107.50	39	66
114.613	Qualitative Analysis I Introduction, Tests (color)	3	1200	Sci.	A	215.00	39	66
	The important point is made that the lack of a precipitate is not a test for the sulfate ion but simply indicates that the chloride ion, for example, is not present. An experiment is done by mixing sodium chloride and sodium hydroxide solutions and adding a few drops of silver nitrate solution to the mixture.							

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
114.614	Qualitative Analysis II Separations _____	3	1200	Sci.	A	107.50	39	66
114.615	Qualitative Analysis II Separations (color) _____ Tests for sodium ion, potassium ion, and ammonium ion are discussed and demonstrated. The yellow flame test for sodium with a clean platinum wire is demonstrated. A mixture of potassium and ammonium ions is shown to give a precipitate with the cobaltinitrite ion.	3	1200	Sci.	A	215.00	39	66
114.616	Qualitative Analysis III Lead (I) Silver (I) and Mercury (I) Ions _____	3	1200	Sci.	A	107.50	39	66
114.617	Qualitative Analysis III Lead (I) Silver (I) and Mercury (I) ions (color) _____ A group of eighteen positive ions is considered. The experimental part of the lesson is devoted to the so-called Group I. An "unknown" solution is tested for the three ions in Group I, applying the tests developed in the lesson.	3	1200	Sci.	A	215.00	39	66
114.618	Qualitative Analysis IV Aluminum (III) Chromium (III) and Iron III Ions		1200	Sci.	A	107.50	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	1
114.619	Qualitative Analysis IV Aluminum (III) Chromium (III) and Iron (III) Ions (color) This final lesson in the series dealing with qualitative analysis will be devoted to a study of selected members of "Group III" of the traditional qualitative analysis scheme of cation analysis. The selected members are aluminum (III), chromium (III) and iron (III).	3	1200	Sci.	A	215.00	39	66
114.620	Summary, What of the Future?	3	1200	Sci.	A	107.50	39	66
114.621	Summary, What of the Future? (color) In this last lesson, the major principles, ideas and concepts developed during the course are summarized. Shows that the main concern of the course has been the fundamental principles of chemistry rather than a comprehensive coverage of facts.	3	1200	Sci.	A	215.00	39	66
114.9	Chick Embryo-From Primitive Streak to Hatching, The	1 1/4	500	Sci.	A	75.00	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
114.91	Chick Embryo-From Primitive Streak to Hatching, The (color)..... Observing the development of an embryo, such as the chick, contributes to understanding of the development of a mammal. A fertile hen's egg contains an embryo and enough food to enable it to grow, develop, and hatch into an independent animal. This film illustrates some of the steps in this process by observing a series of incubating eggs.	1½	500	Sci.	A	150.00	39	66
115	Chico and the Archbishop..... The story of a bright but troubled Mexican boy and a parish priest who had great faith in him and helped him to become a fine man.	3	1000	Guild	J-A-V	135.00	20.5	63
115.2	Child Guidance Clinic Documentary filmed at a Canadian clinic. Specific episodes include: contact by psychologist with child and parents, play therapy.	3	1200	Tch. Tr.		100.00	24.04	65
115.25	Child of Hawaii, A.....	1½	536	Soc. St. Lang. Art	E-J	75.00	59.5	66
115.251	Child of Hawaii, A (color) About real Hawaiian children who tell in their own words about their school and play activities — and about their Island home.	1½	536	Soc. St. Lang. Art.	E-J	150.00	59.5	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
115.28	Children at Work and Play _____ Shows children in various parts of the world. Emphasis is placed on the family as a whole with each member working to contribute to the well-being of the group.	2	702	Soc. St.	E	100.00	89	63
115.31	Children in Autumn _____	1	402	Sci.	K-4	60.00	39	64
115.32	Children in Autumn (color) _____ Presents signs of autumn as represented by changes in plants, trees, animals preparing for winter and in the farmer's seasonal activities.	1	402	Sci.	K-4	120.00	39	64
115.33	Children in Spring _____	1	384	Sci.	K-3	60.00	39	63
115.34	Children in Spring (color) _____ The seasonal activities in relation to spring are followed. Signs of spring are observed, swelling buds, flowers on trees, tadpoles, and the appearance of birds, rabbits, skunks. A garden is started by planting seeds and seedlings.	1	384	Sci.	K-3	120.00	39	63
115.35	Children in Summer _____	1	403	Sci.	K-3	60.00	39	63
115.36	Children in Summer (color) _____ Children observe colts, goats and sheep. They go fishing and pick berries in gardens. There are many insects, animals, flowers and fruits shown. A summer rainstorm is described; also the setting of the sun.	1	403	Sci.	K-3	120.00	39	63
115.37	Children in Winter _____	1	402	Sci.	K-2	60.00	39	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
115.38	Children in Winter (color) A review of the characteristics of winter and children's outdoor activities as affected by them.	1	402	Sci.	K-2	120.00	39	63
115.5	Children Growing up with Other People	3	1200	Tch. Tr. Parent Ed.	E-J	120.00	89	64
115.6	Children Learning by Experience	4	1600	Tch. Tr. Parent Ed.		150.00	89	64
116.5	Children of Germany Life in small communities in the Rhineland section of Germany. A modern picture of town life, stores, products; use of ox carts on small farms — crops raised, etc.; mountain climbing and a river trip.	1½	477	Soc. St.		75.00	39	66
116.51	Children of Germany (color) A hike taken by four German boys is used to show scenes of Germany and food, shops, transportation, farms, churches, castles, festival and home life.	1½	487	Soc. St.	E	150.00	39	67
117	Children of Hawaii (color) Visits with eight children in various living situations and from various countries, provide a sociological study of our 50th state.	1½	576	Soc. St.	E-J	160.00	76.8	66
118.1	Children of Scotland.....	1½	537	Soc. St.	6	95.00	39	64
118.11	Children of Scotland (color) Shows industries, home and family life, and school life in Scotland as seen through the daily experiences of two boys.	1½	537	Soc. St.	6	190.00	39	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
118.5	Children of the Wagon Train	1½	648	Soc. St.	J	110.00	62.5	66
118.51	Children of the Wagon Train (color) The film describes the route of the Oregon trail as it was in 1849 and explains some of the motivating forces behind the movement to the West.	1½	648	Soc. St.	J	200.00	62.5	66
119.1	Children of the Alps	1¾	469	Soc. St.	E	75.00	39	66
119.15	Children Who Draw Informative film for elementary teachers since it has a broad base for child learning and development. Also of interest for children since the film shows Korean school children.	6½	1800	Art-TT	E	185.00	12	63
119.21	Children's Emotions This analysis of the major emotions of childhood guides parents in the proper handling of each emotion. The narrator points out the major causes of fear, anger, jealousy and curiosity.	2	792	Parent Ed. T.T.	E	135.00	62.5	67
119.3	Children's Fantasies This film explores the reasons for a child's fantasies and explains how they develop, as well as how the child can be affected by them.	2	756	T.T.	Ad.	120.00	62.5	67
119.35	Childrens Play This film demonstrates the important contributions parents can and should make to give their children the best possible chance for healthy play.	2¾	972	T.T.	Ad.	160.00	62.5	67
120.	Chile	1	380	Soc. St.	E-J	36.00	39	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
120.11	Chile (color)	1	380	Soc. St.	E-J	103.20	39	63
121	China, The Land and the People	1½	500	Soc. St.	E-J	75.00	24.1	66
121.1	China, the Land and the People (color) Geographic overview of China, visualizing important geographical factors, as a means of studying this vast country.	1½	500	Soc. St.	E-J	137.50	24.1	66
121.3	China Under Communism	2	800	Soc. St.	A	120.00	39	67
121.31	China Under Communism (color) A film that examines the commune, cities, villages and factories in the China of today. Examines Communist methods as well as the economic and social problems China is now facing.	2	800	Soc. St.	A	240.00	39	67
121.35	Chinese Painting Through The Ages (color) The film shows, with the best specimens available for direct photography, how the Chinese painters evolved their theory and practice, and what Chinese painting has to offer world art.	1	800	Art-Soc,St.	J-A-V-Ad.	185.00	24.04	67
121.51	Chipmunk and His Bird Friends (color) A true nature story of the adventures of a chipmunk and his bird friends.	1	379	Sci.-L.A.	E	110.00	3	67
121.8	Chlorine: A Representative Halogen Film outlines the physical and chemical properties, methods of producing, and principal uses of chlorine. Live action and animation.	2	616	Sci.	A	130.00	86.3	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
122.01	Choosing Books to Read	1	400	Lang. Arts	J-A-V	50.00	24.1	66
122.02	Choosing Books to Read (color)	1	400	Lang. Arts	J-A-V	100.00	24.1	66
122.6	Choosing Your Marriage Partner	1½	500	Guid.	A-V	75.00	24.1	63
122.61	Choosing Your Marriage Partner (color)	1½	500	Guid.	A-V	137.50	24.1	63
122.7	Choosing Your Occupation	1	400	Guid.	J-A-V	60.00	24.1	65
122.8	Choosing Your Occupation (color)	1	400	Guid.	J-A-V	120.00	24.1	65
122.9	Choosing Clothes for Health	1	400	Hlth. Ed.	E-J	60.00	24.1	64
122.91	Choosing Clothes for Health (color)	1	400	Hlth. Ed.	E-J	110.00	24.1	64
122.92	Choreographer At Work..... Shows how a choreographer develops dance themes.	3	1055	H. Ed.	A-V-Ad	125.00	57.3	67
122.93	Christmas Carol, A The Charles Dickens favorite, complete with Scrooge, the ghosts, Tim and Bob Cratchet . . . who was poor in worldly goods but rich in love for his family and their love for him. A story with timeless appeal for all ages.	4	1500	Lang.Art.	J-A-V	240.00***	39	66
122.94	Christmas Carol, A The first and only <i>musical</i> version of the classic Charles Dicken's story.	5	1938	Lang. Mus.	E-J-A	275.00	20.5	67
122.95	Christmas In Australia..... In Australia, where the seasons are reversed, Christmas comes in the summer and many people seat their traditional Christmas dinner on the beach. Children go from door to door singing carols and hang pillow cases, instead of stockings.	1	344	Soc. St. Lang.Art.	E-J	85.00	1.5	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	i
122.96	Christmas In Denmark — The story of a traditional Christmas celebration on a Danish Manor Farm.	¾	256	Lang.Art. Soc. St.	E	75.00	5	66
123	Christmas is for the Birds	1½	531	Sci.	4-6	60.00	76.8	63
123.1	Christmas is for the Birds (color) —————	1½	531	Sci.	4-6	150.00	76.8	63
	How to prepare various ornamental bird food items, which can be hung on a discarded Christmas tree, for birds to feed on during winter months.							
124.5	Christopher Columbus ———	1½	587	Soc. St.	E	120.00	39	64
124.6	Christopher Columbus (color) —————	1½	587	Soc. St.	E	240.00	39	64
124.8	Churchill, Winston ———	1	180	Soc. St.	J-A	25.00	72.3	65
	This film reviews in rare motion pictures the long and memorable career of the man who walked so long with destiny.							
125	Cicada—The Insect Methuselah —————	1	432	Bio., Sci.	J-A-V	50.00	62.9	66
125.1	Cicada—The Insect Methuselah (color) ———	1	432	Bio., Sci.	J-A-V	105.00	62.9	66
	The development and life history of the Cicada — time lapse and microscopic pictures.							
125.12	Cinderella —————	¾	300	Lang.Art.	E-TT	45.00	43	65
125.121	Cinderella (color) —————	¾	300	Lang.Art.	E-TT	90.00	43	65
	Photographed from drawings made by 5th grade children in a Canadian school. Story is charmingly narrated by young children. Designed for primary grades for creative arts and language arts.							
125.14	Cindy Goes To A Party.....	1	360	Guid.	E3	60.00	62.5	67
	A modern variation of the Cinderella story designed to promote better manners in social groups.							

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
125.16	Circulation — Why and How	1	400	Bio.	E-J-A-V	60.00	21.4	65
125.161	Circulation — Why and How (color) Explains the body's cells need for food and oxygen, disposal of waste products, rest and exercise; how they are serviced by circulation system showing capillaries, venous system, chambers of heart, pulmonary circulation and arterial system.	1	400	Bio.	E-J-A-V	110.00	21.4	65
125.168	Circus Animals	1	400	S.S., Sci.	E	50.50	1.11	64
125.169	Circus Animals (color)	1	400	S.S., Sci.	E	100.50	1.11	64
125.17	Circus Baby	1	173	LA	E	37.50**	91.95	67
125.18	Circus Baby (color) Mother elephant's friendship for the clown's family leads her to many amusing incidents.	1	173	LA	E	75.00**	91.95	67
125.2	Circus Day (color)	2	797	Lang.Arts, Soc.St.	E-J	200.30	5	64
125.3	Circus Days in our Town	1½	554	Lang. Arts Soc. St.	E	90.00	39	65
125.35	Circus People	1	400	L.A.	E	50.30	1.11	66
125.36	Circus People (color) Shows the arrival of the circus train, the cooperation in setting up the tent; life of the circus people behind the scenes, eating, caring for costumes, making up; people buying tickets and watching the entrance parade.	1	400	L.A.	E	100.30	1.11	66
125.38	Circus Show Presents the animal acts, aerial performers, clowns, lion tamers and other colorful circus activities.	1½	600	L.A. Soc. St.	E	75.40	1.11	66
125.452	Citizen Makes A Decision, A	1½	684	Soc. St.	J	115.00	62.5	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
125.453	Citizen Makes A Decision, A (color)	1½	684	Soc. St.	J	250.00	62.5	67
	This film shows a case study presenting the dramatized story of how one citizen conducts his search for an intelligent decision on the problem of flood control confronting his community.							
125.46	Citizen Participates, A	2½	1000	Soc. St.	J-A-V	135.00	62.5	64
125.461	Citizenship and You	1½	500	Soc. St.	J-A-V	75.00	24.1	65
125.462	Citizenship and You (color)	1½	500	Soc. St.	J-A-V	150.00	24.1	65
	Develops a clear concept of the meaning of good citizenship and motivates interest in practicing it.							
125.47	Citizenship in Action	2	860	Soc. St.	A	100.00	57.3	64
	The activities of a High School student council relative to their thoughts about the qualities of a good citizen. Examples of good citizenship as seen within a community.							
125.49	Cities, How They Grow (2nd Ed.)	1	354	Soc. St.	J	60.00	39	66
	Describes natural influence affecting the location and growth of cities — harbors, climate, etc; growth from trading centers to modern metropolitan areas.							
125.5	Cities: Why They Grow —	1	400	Soc. St.	E-J	60.00	24.1	65
125.6	Cities: Why They Grow (color)	1	400	Soc. St.	E-J	120.00	24.1	65
125.65	City Decides, A	3	1000	Guid. T.T.	Parent Ed.	75.00	24.04	63
	Shows how the city of St. Louis carried out a policy of integration in the public schools.							
125.67	City Desk Item	1	400	Lang. Arts	J-A-V	50.00	1.15	63
125.7	City Fire Fighters	1	400	Soc. St.	E-J	50.00	24.1	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
125.8	City Fire Fighters (color)	1	400	Soc. St.	E-J	120.00	24.1	65
125.901	City Highways (Short Version)	1	386	Soc. St.	E	110.00**	29	65
	Shows the need for free-ways with controlled access through big cities, and how planned and constructed and results in spreading population and industries.							
125.905	City of Gold	2	828	Soc. St.	A	130.00	62.5	64
	Story of the life and death of the last major gold rush into the Klondike in the late 1890's and shows the Yukon's Dawson City.							
125.91	City Pets: Fun and Responsibility	1	400	La., Sci.	ECE	60.00	24.1	64
125.92	City Pets: Fun and Responsibility (color) ..	1	400	La., Sci.	ECE	110.00	24.1	64
126.3	Clark Shaughnessy	3	1080	Health	J-A-V	100.00	76.8	67
	"T" Formation A three-reel instructional film narrated and produced under the supervision of Coach Clark Shaughnessy of Stanford. Reel I — Center & Quarterback. Reel II — Fullback & Halfback. Reel III — Ball handling & Man-In-Motion.							
126.4	Classis Scotland (color) ..	1	400	Lang. Soc. St.	J-A-V	100.00	1.8	67
	Romantic Scotland of history and legend, homes of Sir Walter Scott and Robert Burns, castles, cities and villages, the country about which they wrote.							
126.5	Clay in Action	1	385	Voc.-Art	E-J	60.00	39	65
127.1	Cleanliness and Health ..	1	400	H.Ed.- Sci.	E-J-A-V	60.00	24.1	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
127.2	Cleanliness and Health (color)	1	400	H.Ed.-Sci.	E-J-A-V	120.00	24.1	65
127.22	Climate and The World We Live In	1¼	500	Soc. St.	E-J	75.00	24.1	63
127.23	Climate and The World We Live In (color) Depicts factors that determine climate of a place-latitude, prevailing winds, nearness to water, altitude and mountain range. Explains how similar combinations of factors produce similar climate in different parts of the world.	1¼	500	Soc. St.	E-J	137.50	24.1	63
127.25	Climbing Plants Illustrates the various abilities of plants to grow upward in an attempt to gain sunlight. With the aid of such devices as roots placed in trunks of trees, tendrils, and claws, plants grow to the light.	1	396	Sci.	J	45.00	89	63
127.3	Clothes & You: Line & Proportion	1	400	H.Eco.	JAV	60.00	24.1	65
127.31	Clothes & You: Line & Proportion (color) A study of figure types and pupil-made garments with appropriate lines.	1	400	H.Eco.	JAV	120.00	24.1	65
127.4	Clothes We Wear, The	1	400	Soc. St.	E-J	60.00	21.4	66
127.41	Clothes We Wear, The (color) Tells about the variety of fibers that are used in clothes.	1	400	Soc. St.	E-J	110.00	21.4	66
127.5	Clothing	1	388	Soc. St.	E	60.00	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	f
127.51	Clothing (color) _____ The story of clothing and how environmental factors affect our clothing. Various processes in the making of clothing are described. Interdependence of people is stressed.	1	388	Soc. St.	E	120.00	39	66
127.52	Clothing For Children (color) _____	1	400	Home Eco. Child Care	J-A-V	100.00	24.1	63
128.1	Clouds _____	1	400	Sci.	E-J	50.00	1.15	66
128.35	Collage (color) _____ Children from five to eight years of age demonstrate how to make collages or pictures created by the application of materials to a flat surface.	2	492	Art T.T.	E-J	145.00	57.8	67
128.4	College Ahead? _____ Overview of many careers in today's world of work which require college training, and emphasizes importance of H.S. academic subjects as prerequisite for admission to college and future success in chosen career.	3	1100	Guid.	8-12	185.00	53.68	65
128.45	College Panic, The _____ A searching examination of current and future problems of admission to college, a panic described by some college admissions officers as "more myth than fact".	2¼	972	Guid.	A-V	135.00	62.5	67
128.5	College: Your Challenge.....	1	400	Guid.	J-A-V	60.00	24.1	64
128.51	College: Your Challenge (color) _____	1	400	Guid.	J-A-V	110.00	24.1	64
129.5	Colloidal State, The _____	1½	600	Chem.	A	90.00	24.1	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
129.51	Colloidal State, The (color) _____ Introduces us to the col- loidal state through a ser- ies of carefully controlled laboratory experiments and demonstrations.	1½	600	Chem.	A	180.00	24.1	65
130	Colonial Children _____	1	394	Hist.	E	60.00	39	64
130.2	Colonial Expansion _____	1	401	Soc. St.	E	60.00	39	65
130.3	Colonial Expansion of European Nations _____	1¼	500	Soc. St.	A-V	75.00	24.1	66
130.31	Colonial Expansion of European Nations (color) _____ Summarizes factors in the colonial expansion of England, France, Hol- land, Spain and Portugal largely in the 16th and 17th centuries.	1¼	500	Soc. St.	A-V	137.50	24.1	66
130.5	Colonial Family of New France _____	1¼	500	Soc. St.	E-J	75.00	24.1	64
131.1	Colonial Life in the Middle Colonies _____	1	400	Soc. St.	E-J	60.00	24.1	66
131.11	Colonial Life in The Mid- dle Colonies (color) _____ Life and customs of the middle colonies are shown.	1	400	Soc. St.	E-J	110.00	24.1	66
131.2	Colonial Life in The South	1¼	500	Soc. St.	E-J	75.00	24.1	66
131.21	Colonial Life in The South (color) _____ Life and customs of the Southern colonies are shown. The film describes the reconstruction of Wil- liamsburg.	1½	500	Soc. St.	E-J	137.50	24.1	66
131.3	Colonial Living (color) — Scenes of colonial life, people, occupations, arts and crafts, houses, etc.	1	543	Soc. St.	E	150.00	57.8	63
131.5	Colonial Printer, The —	3	1200	Soc. St.	E-J	75.00	23	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
131.51	Colonial Printer, The (color) _____ This film pays tribute to the early patriots who spoke out against abuse of authority by printing the truth as they saw it. It is a film dedicated to our heritage of a free press.	3	1200	Soc. St.	E-J	160.00	23	64
131.7	Colonial Shipbuilding and Sea Trade _____	1	400	Soc. St.	5-7	60.00	24.1	64
131.71	Colonial Shipbuilding and Sea Trade (color) _____ Shows economic features that led to the development of Colonial shipbuilding and sea trade.	1	400	Soc. St.	5-7	110.00	24.1	64
131.8	Colonies Look Ahead, The A progress report on the economic development, education and race relations within the British Empire.	2½	1000	Soc. St.	A	100.00	62.5	64
131.9	Colony Lives On, A _____ Colonial America, restored in the town of Williamsburg, Va. The crafts of early Americans; the dress and the way of life.	1	285	Soc. St.	E-J-A	40.00	72.3	65
132.1	Color (color) _____ Color in nature, in pigments, in yarn, clay, wood and other art materials.	¾	205	Art	E-J	60.00	39	65
132.13	Color and Light (color) _____ The additive and subtractive principles of color in relation to light demonstrated in animated photography. Special emphasis on stage lighting.	1	217	Art	J-A	85.00	89.3	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
132.14	Color and Light: An Introduction (color) Characteristics of color formation by different kinds of light are demonstrated in a variety of everyday situations.	1	400	Sci.	6 & J I.G.C.	110.00	24.1	67
132.15	Color of Man Through the partial use of animation, the film shows why and how man's color differs.	1	365	Soc. St.	E-J-A-V	100.00	89.3	64
132.17	Color On A Stone (color) A demonstration of the process in color lithography showing techniques of transfer, visualization, registry, and other elements needed for successful color lithography. Examples of masters are shown.	1	453	Art	A-V	130.00	3	66
132.2	Colour of Life (color) Presents in magnified dimension, the maple leaf and segments of the tree as illustration of the physiological processes that go on in all plants.	2	876	Sci	A	220.00	64	67
133.1	Colour In Clay (color) —	1	418	Art	J-A-V	120.00	39	66
133.5	Combustion Answers the question, "What is fire?" Presents the conditions necessary for combustion; portrays the basic characteristics of combustion, and the use of combustion in industry.	1½	536	Sci.	A	130.00	86.3	65
133.7	Comeback, The The true life story of a great baseball pitcher who after a injury to his leg makes a comeback with the help of his wife and the Chaplain of the Athletic foundation.	3	1132	Guid	E-J-A-Ad	100.00	7.2	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
134	Common Animals of The Woods _____	1	398	Soc. St. Nature	E	60.00	39	65
134.5	Communication For Beginners _____	1	400	Soc. St.	3	60.00	24.1	66
134.51	Communication For Beginners (color) _____ Pretending what it would be like to be living in the Indian days, Tommy learns how important are every-day means of communication.	1	400	Soc. St.	3	110.00	24.1	66
135	Communication: Story Of Its Development _____	1	400	Soc. St.	E-J	60.00	24.1	65
135.1	Communication: Story Of Its Development (color) _____ Traces the development of communication from primitive to modern times, and shows its major developments in the United States from the mid-19th century to the present.	1	400	Soc. St.	E-J	120.00	24.1	65
135.57	Communications Westward _____ Story of the development of the west and its linking with the east; improvements in transportation and commerce from 1846 through the end of the Civil War.	3	1200	Soc. St. L.A.	E-J-A-V	90.00***	87	57
135.6	Community Governments _____ How they Function _____	1½	500	Soc. St.	J-A-V	75.00	24.1	64
135.601	Compass, The _____	1	396	Sci.	3	65.00	62.5	66
135.602	Compass, The (color) _____ The story device illustrates the practice outside of school of information and skills about compasses learned in the classroom and their value in an emergency.	1	396	Sci.	3	130.00	62.5	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
135.605	Competition In Business.....	1¼	500	Bus. Soc. St.	J-A	75.00	24.1	67
135.606	Competition In Business (color) This film explains the concepts underlying busi- ness competition and shows how competition and its key factor, vari- ety, are basic to our free enterprise system.	1¼	500	Bus. Soc. St.	J-A	137.50	24.1	67
135.61	Completion of the First Transcontinental Railroad Shows the role of all types of people in build- ing America, and the great importance of com- munication in our west- ward expansion.	2½	1000	Soc. St.	E-J-A-V	135.00	62.5	63
135.615	Complex Microorganisms.....	3	1080	Bio.Tch.Tr. Advanced	C-L-C	150.00	62.5	66
135.616	Complex Microorganisms (color) Wide coverage of micro- biology. Includes material from research films, as well as micrography.	3	1080	Bio.Tch.Tr. Advanced	C-L-C	300.00	62.5	66
135.62	Concept of Function A new approach in which certain ambiguities form- erly inherent in the con- cept are avoided. It is shown that considering function in terms of "set" will make for a presentation that is eas- ier for teachers and clear- er for students.	1¼	576	Math. Tch.Tr.		105.00	62.5	65
135.63	Conducting Good Music.....	1¼	488	Music	J-A-V	75.00	39	67
135.64	Conducting Good Music (color) A brief history of con- ducting with examples. Different interpretation of same number. Ex- ample in conducting.	1¼	491	Music	J-A-V	150.00	39	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
135.67	Congress, The (2nd edition) Presents a dramatic demonstration of the powers and duties of the Congress. Traces the steps through which a bill must go before final passage.	2	725	Soc. St.	J-A	120.00	39	67
135.69	Conifer Trees of The Pacific Northwest _____ The word "Conifers" is defined. Nine of the most important western evergreen trees are identified. Trees are examined with attention to bark, needles and cones.	1½	585	Sci.	6	150.00	63.5	66
135.8	Conquest of Pain _____ Story of Dr. Morton's struggle to find a method of performing dental operations without pain. This leads to the eventual application of anesthesia to surgery.	2	800	Sci. S.S.	J	60.00***	87	67
135.85	Conquest of The Atom _____ Explains the structure of the atom and illustrates the historical enigma which proved the existence of protons, neutrons, and electrons.	2	800	Sci.	J-A	210.00	57.8	66
135.9	Conquest of The Poles _____ Overview of modern exploration of the Poles, indicating how the North Pole and South Pole may affect man's life in the future.	1	290	Soc. St.	E-J	40.00	72.3	65
136.1	Conserving Our Forests Today _____	1	400	Sci.	5-6	60.00	24.1	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
136.11	Conserving Our Forests Today (color) _____	1	400	Sci.	5-6	110.00	24.1	66
	Value of forest and forest products shown. Many recent advances in conservation emphasized, such as helicopters and plastic hose in fire fighting, insecticides and chemicals for disease control; aerial seeding, mechanical transplanting.							
136.2	Conserving Our Soil Today _____	1	400	Sci.	5-6	60.00	24.1	66
136.21	Conserving Our Soil Today (color) _____	1	400	Sci.	5-6	110.00	24.1	66
	Latest techniques in soil conservation: sub-soil mulching, new fertilizers, plastic sheets to retain moisture, etc. Film also describes more common methods of conservation.							
136.3	Constellations, Guides To The Night Sky _____	1	401	Sci.	E-J-A	50.00	57.3	67
136.31	Constellations, Guides To The Night Sky (color) _____	1	401	Sci.	E-J-A	100.00	57.3	67
	Introduces the student to constellations and other star systems. Aids the student in locating and recognizing some of the major constellations and their component stars.							
136.5	Constitution and Employment Standards, The _____	2½	1075	Soc. St.	A	125.00	57.3	64
	History of a constitutional decision, in this case one dealing with a test of the fair labor standards act, was depicted. Fine example of the theory of balance of powers in our government.							
136.6	Constitution of the U.S. —	2	802	Soc. St.	J-A-V	120.00	39	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
136.61	Constitution of the U.S. (color) Depicts the struggle for ratification of the new Constitution and highlights the compromises.	2	807	Soc. St.	J-A-V	240.00	39	67
136.7	Consumer Protection	1	400	H.Eco.	J-A-V	50.00	24.1	65
136.8	Consumer Protection (color)	1	400	H.Eco.	J-A-V	120.00	24.1	65
138.51	Control Your Emotions	1½	500	Guid.	J-A	75.00	24.1	65
138.52	Control Your Emotions (color)	1½	500	Guid.	J-A	150.00	24.1	65
138.7	Controlling Atomic Energy Reviews structure and behavior of atoms. Proceeds with details on radiation, controlled fission, and peacetime potentials of nuclear energy.	1-1/3	486	Sci.	J	135.00	89	67
139.1	Cooking: Kitchen Safety....	1	338	H.Eco.-Foods	E-J-A-V	70.00	62.5	65
139.2	Cooking: Measuring	1	374	H.Eco.-Foods	J-A-V	60.00	62.5	65
139.3	Cooking: Planning and Organization	1	348	H.Eco.-Foods	J-A-V	60.00	62.5	65
140.5	Cooper, James Fenimore	2	619	S.S.-L.A.	E-J-A-V	120.00	39	65
140.7	Copper, Steward of of the Nation Explains how lure of riches brought civilization to Southwest. Traces growth of copper industry and shows methods of handling lowgrade ores from open-pit mines to refining by electrolysis. Lists copper uses today.	1	450	Soc. St.	6-12	120.00	1.6	66
140.9	Coral Kingdom Coral growths, fishes and other underwater creatures on Australia's Great Barrier Reef.	1	247	Sci.	E-J-A	85.00	1.5	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
✓ 141	Corazon de Castilla A brief visit to Madrid, Avila, El Escorial, La Grania, Toledo and Segovia, stressing buildings.	1	406	Spanish	A	125.00	57.8	65
141.5	Corky The Crow	1	396	Lang.Art Sci.	E	60.00	39	66
141.51	Corky The Crow (color)..... Tells the story of a baby crow from the time it hatches in the spring until the time of the crows' fall migration.	1	396	Lang.Art Sci.	E	120.00	39	66
141.78	Corn Belt, The	1	616	Soc. St.	E-J	75.00	57.3	67
141.781	Corn Belt, The (color) Traces development of the Corn Belt and its economic importance. Shows how technology has improved the production of corn and its utilization.	1	616	Soc. St.	E-J	150.00	57.3	67
141.8	Corn Farmer (2d edition)	1½	550	Soc. St.	E	75.00	39	66
141.81	Corn Farmer (2d edition) (color) Describes life and work of family on a corn farm. Shows interrelation between raising corn and feeding livestock.	1½	550	Soc. St.	E	150.00	39	66
142.3	Corral A cowboy breaks in a horse, and movement and music combine to tell a story without words.	1	432	Lang.Art	E-J-A-V	50.00	64	66
✓ 143.15	Costas de Espana (color) ... A brief view of the major places of interest along the coast of Spain.	1	400	Spanish	A-V	110.00	57.8	63
143.5	Costume Designers, The Shows the skill, the research and the sense of the appropriate which must go into the designing of costumes.	1	400	English	J-A-V	17.50***	87	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
144.1	Cotton Belt, The Yesterday and Today	1	612	Soc. St.	E-J-A	75.00	57.3	67
144.11	Cotton Belt, The Yesterday & Today (color) Presents overview of traditional Southern U. S. Cotton Belt. Shows man interacting with his physical and cultural environment to create and then modify the Cotton Belt region.	1	612	Soc. St.	E-J-A	150.00	57.3	67
144.15	Cotton From Fiber To Fabric (color) Theme is a partnership of science and nature to produce today's version of the fibre which has served man for 5,000 years.	1	828	H.Eco.	J-A	250.00	62.5	67
144.2	Cotton In Today's World	1	400	Soc. St.	E-J-A	60.00	24.1	67
144.21	Cotton In Today's World (color) Film presents background of growing of cotton and indicates its place in economy of the world. American methods of growing, spraying, picking, and ginning shown.	1	400	Soc. St.	E-J-A	110.00	24.1	67
144.3	Coulomb's Force Constant Large scale version of Millikan experiment with large plates and charged spheres; value for Coulomb's constant reached.	3	1250	Sci.	A	150.00**	62.85	66
144.31	Coulomb's Law Demonstrates inverse square variation of electric force with distance, and also the fact that electric force is directly proportional to charge.	3	1120	Physics	A	150.00**	62.85	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
145.6	Counselor's Day _____ This film shows the typical activities of a student counselor is used to show his participation in the school program. Includes a survey of the background & training of a good counselor.	1½	396	T.T.	J-A-V	60.00	62.5	67
145.65	Counting Electrical Charges In Motion _____ Shows how an electrolysis experiment enables us to count the number of elem. charges passing through an electric circuit in a given time and thus calibrate an ammeter. Demonstrates random nature of motion of elem charges.	2	722	Sci.	A	120.00**	62.85	67
145.8	Courses Et Achats _____	1	400	French	A-V	60.00	46.5	63
145.85	Courtesy at School _____	1	400	Guid.		60.00	24.1	67
145.86	Courtesy at School (color) _____ A boy learns that courtesy helps in working together, in making friends, in feeling better about one's self and in having more fun.	1	400	TT		110.00	24.1	67
145.9	Courtesy for Beginners.....	1	400	Guid.	E	60.00	24.1	63
145.91	Courtesy for Beginners (color) _____	1	400	Guid.	E	110.00	24.1	63
146.22	Cowboy, The (color) _____	1	360	Soc. St.	E	100.25	5	64
146.53	Craftsmen In Closeup _____ Methods and samples of silver craftsmanship as seen in Denmark. Austrian and Italian glasswork.	1	280	Art	J-A	40.00	72.3	65
146.55	Crawl, The _____ Step by step analysis of the Crawl.	1	422	Health Ed.	E-J-A-V	55.00	57.8	63
146.56	Crayfish, The _____ Structure and life activities of the crayfish.	1	403	Sci.	A	45.00	89	63
146.57	Crayfish Anatomy _____	1	413	Sci.	A-Ad	50.00	57.3	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
146.571	Crayfish Anatomy (color)..... Shows the sequential procedure involved in investigating the freshly anaesthetized crayfish revealing both the external and the internal anatomy by systems.	1	413	Sci.	A-Ad	100.00	57.3	67
146.6	Creating Cartoons How to draw cartoons—cleverly presented.	1	400	Art	J-A-V	60.00	3	66
146.7	Creation of a Portrait (color)	1	408	Art	A-V	120.00	39	66
146.73	Creative Swimming—Part II Figures & Body Positions	1½	600	Health (Girls)	A-V	90.00	22.5	67
146.731	Creative Swimming—Part II Figures & Body Positions (color) Concerned with body positions and basic figures derived from them such as back layout, front layout, front tuck kip, oyster, etc.	1½	600	Health (Girls)	A-V	180.00	22.5	67
146.74	Creative Swimming—Part I Strokes and Stroking Skills	1	425	Health (Girls)	A-V	70.00	22.5	67
146.741	Creative Swimming—Part I Strokes and Stroking Skills (color) Gives certain basic concepts as kicks, strokes, front crawl, back crawl, water wheel, side stroke, and spinner.	1	425	Health (Girls)	A-V	140.00	22.5	67
146.75	Creatures of the Desert	1	400	Sci.	5-6	57.50	62.5	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
146.76	Creatures of the Desert (color) _____ Some animals of the southwest United States desert are shown in relation to each other. Such forms as the tarantula, horned toad, toad, scorpion, jack rabbit, kangaroo rat, rattle snake, ground squirrel, gila monster, chuckwolla.	1	400	Sci.	5-6	125.00	62.5	63
146.78	Credit And Loans _____ Various types of credit buying that are playing an increasing role in our economy. Treatment is descriptive with emphasis on the fact that comparative shopping for credit is as important as quality shopping for merchandise.	1½	600	Math	8-9	90.00	74.05	66
146.8	Crescent and The Cross, The _____	3	1200	Soc. St.	A	140.56	27.3	66
146.81	Crescent and The Cross, The (color) _____ Through the eyes of young American tourists, the film shows the religion of Islam, its beliefs, temples, Mecca and the way of life of the Moslem world.	3	1200	Soc. St.	A	280.00	27.3	66
146.88	Crisis At Munich _____ The story of the fearful days when Hitler was threatening war over the Sudetenland Germans, and the conference at Munich where Chamberlain and Daladier met Hitler and agreed not to support Czechoslovakia in resisting.	2½	936	Soc. St.	A	135.00	62.5	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
146.9	Crisis in Asia The story of India, Pakistan and Ceylon. The background of their inclusion in the British Empire, development under British rule and eventual freedom.	2½	1000	Soc. St.	A	100.00	62.5	64
146.92	Crisis in Levittown Records interviews with residents of Levittown, Pa. after a Negro family moved into an all-white community. Dr. Dan Dodson of the Center for Human Relations of New York University analyzes the interviews.	3	1080	Parents Tch.Tr. Guidance Human Rel.	J-A-V	150.00	30	65
146.925	Crooked Railroad, The Tells the little-known story of the first glacial stream to be harnessed on a major scale for water power. Used to introduce unfamiliar hydroelectric power terms.	1	435	Sci.	6	125.00	63.5	66
146.93	Cross Section Central America (Guatemala)	2	800	Soc. St.	E	110.00	89	64
146.95	Crystal Gazing	1	415	Sci.	A	45.00	62.9	65
146.96	Crystal Gazing (color) Speleologists enter caves to obtain samples as well as to explore. Many types of crystals shown under microscope such as terpin hydrate, zinc acetate, oxalic acid, sugar, optical calcite, etc.	1	415	Sci.	A	90.00	62.9	65
146.97	Crystals Shows actual growth of crystals under microscope; discusses how they may be grown. Relates these phenomena to the concept of atoms. Alan Holden, Bell Laboratories.	2½	930	Phys.	A	150.00**	62.85	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
147.3	Cubism (color) _____ The basic procedure in the development of a cubist type of painting is illustrated by means of a step by step analysis of its construction.	1	235	Art	A-V	70.00	3	67
147.41	Cuckoo Clock That Wouldn't Cuckoo, The _____	1	400	Lang.Art	E	60.00	24.1	64
147.42	Cuckoo Clock That Wouldn't Cuckoo, The (color) _____ A Swiss clock maker makes a clock work by placing two cuckoos in the same clock.	1	400	Lang.Art	E	110.00	24.1	64
✓ 147.5	Cultivate Your Garden Birds (color) _____	1	388	Sci.	E	110.00	57.8	63
147.55	Curious Animals of Australia _____ The kangaroo, wallaby, black swan, platypus, kooka bear, emu, lyre bird and kookaburra are shown in their native habitats.	1	420	Sci.	E-J	70.00	73.02	67
147.6	Curious Coati _____	1	306	Lang. Arts	E	50.00	62.5	64
147.7	Curious George Rides A Bike _____	1	378	Lang.Art	E	50.00**	91.95	64
147.71	Curious George Rides A Bike (color) _____ An iconographic film using the pictures and text from H. A. Rey's popular picture book of the same title.	1	378	Lang.Art	E	100.00**	91.95	64
149	Cutting an Internal Taper Pipe Thread _____	1½	713	Pipe Fitting	V	44.29	71	67
152	Cutting Thread With Taps and Dies _____	2	700	Mach. Shop	V	42.94	71	67
152.5	D-Day _____ Dramatization of D-Day as presented on "You Are There" T.V. program.	2½	1000	Soc. St.	J-A-V	135.00	62.5	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
152.7	D For Design An introduction to Danish furniture, porcelain, fabrics and silver, presented in their native setting. Famous designers at work.	2½	965	Art	J-A-V	275.00	12	65
153.1	Dairy Farm Calves (color) Shows care, feeding, development of cows, life on the farm, work of a young boy helping around the farm.	1½	600	Soc. St. L.A.-	E	136.00	48	67
153.3	Dams (color) Photographs, maps, models and diagrams describe needs, uses, and benefits of such dams as the Shasta in California.	1¼	497	Sci.	E-J-A-V	125.00**	29	67
153.35	Dams (The Primary Civilization Series) 1	1	380	Soc. St.	5-9	55.00	53	65
153.36	Dams (The Primary Civilization Series) (color) ... 1 Various types of dams: earth, rock, cement. Their usefulness to man: water storage; flood control; irrigation; source of power; formation of lakes for recreation. Construction of concrete dam is shown- also many skills required in the process.	1	380	Soc. St.	5-9	110.00	53	65
153.54	Dance Your Own Way (color) Motivates children to express themselves through the dance medium. Show the basic principles of creative rhythms and how children can dance their own way.	1	339	T.T. Music.	E-J-A Health	120.00	3	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
153.55	Dance Your Own Way — Concepts of moving to rhythms of various types including skipping, sliding, leaping are introduced. Types of music suitable to varying movements are given.	¾	288	Health	E	110.00	89.3	64
153.7	Danish Children Build Greek School ————— Story of Danish children who help financially build school in Greece.	1	360	Soc. St.	E-J	32.50	24.04	64
153.8	Danny Rebels ————— A thirteen year old boy decides his parents exercise too strict control and states that he is going to leave home. His parents help him pack and let him go, but he returns in a few minutes.	1	400	Guid.	E-J	30.00***	87	67
153.85	Darwin's Finches —————	1	383	Sci.	Gr.6-J	60.00	43	67
153.851	Darwin's Finches (color) ——— This film illustrates how successful individual variations can lead to the development of new species. The film uses Darwin's classic Galapagos animals to illustrate the mechanism of species' origin.	1	383	Sci.	Gr.6-J	115.00	43	67
153.9	Date with Liberty ————— A series of incidents in our history in which Americans had to stand up for the ideals they thought to be right.	2	751	Soc. St.	J-A-V	120.00	20.57	64
154	Date with Your Family, A —————	1	384	Guid.	E-J-A-V	60.00	39	67
154.1	Date With Your Family, A (color) —————	1	394	Guid.	E-J-A-V	120.00	39	67
154.12	Date Etiquette —————	1	400	Guid.	A-V	60.00	24.1	67
155.1	Dating-Do's And Don'ts —	1¼	500	Home	E-J-A-V	75.00	24.1	65
				Eco.— Guid. Par.				

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
155.2	Dating-Do's And Don'ts (color) _____	1½	500	Home Eo.— Guid.	E-J-A-V	150.00	24.1	65
155.28	David Copperfield The Boy The important formative years of the great Dick- ens character. The picture graphically shows the en- vironmental conditions and characters of 18th century England that con- tributed to the boy's de- velopment.	4	1500	Lang.Art	J-A-V	240.00***	39	66
155.281	David Copperfield The Man David's life at the term- ination of his schooling as he sets out to make his mark in the world. We see more of the wonder- ful Dickens character studies as David meets Dora Spenlow, Little Em'ly, Steerforth.	4	1500	Lang.Art	J-A-V	240.00***	39	66
155.43	Da Vinci, Leonardo _____ The paintings, studies, scientific investigations and inventions of the great Italian genius.	1	220	Art-Sci.	E-J-A	30.00	72.3	65
155.5	Day At The Fair _____	1	400	Soc. St.	E	60.00	39	65
155.71	Day in The Life of A Five Year Old, A _____	2	800	Tch.Tr.		75.59	18.5	66
155.72	Day of Thanksgiving, A —	1½	468	Soc. St.	E	80.00	62.5	67
156.5	Day and Night _____	1	400	Sci.	J	45.00	89	63
157	Day With Fireman Bill, A _____	1	384	Soc. St. Lang.Art	E	60.00	43	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
157.1	Day With Fireman Bill, A (color) _____ Film follows Firemen Bill from the time he says goodbye to his family early in the morning until he returns home from the fire station 24 hours later. It gives the behind the scenes look at the daily routine of the fireman.	1	384	Soc. St. Lang.Art	E	110.00	43	65
157.5	Days Of The Dirigible, The Famous dirigibles, and what happened to each. Graf, Macon, Shenandoah, Los Angeles. Spectacular flaming death of the Hindenburg.	1	250	Sci. Soc. St.	E	35.00	72.3	65
157.6	Days Of The Whiskey Gap A comparison between United States and Canadian relations with their native Indians is drawn.	1	1044	Am.Hist.	A	165.00	62.5	67
157.7	Debt To The Past _____ To help the student develop a sense of personal appreciation for the gifts of the past, the last part of the film is a demonstration of what life might be like if one were completely stripped of these gifts.	2	762	Soc. St.	J-A	185.00	62.9	67
157.8	Decimal Fractions _____	1	400	Math.	J	60.00	59	65
157.81	Decimal Fractions (color) Relates decimal fractions to common fractions. Emphasis is placed on the existence of an unwritten denominator in all decimal fractions.	1	400	Math.	J	110.00	59	65
158.1	Decimals are Easy _____	1	400	Math.	J	60.00	24.1	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	f
158.11	Decimals are Easy (color) Decimals are useful tools, their meaning, and fundamental operations with them.	1	400	Math.	J	110.00	24.1	64
158.4	Decision at Williamsburg ... A summary of events leading up to and including the American Revolution. Film makes use of slides, photos and paintings.	2	800	Soc. St.	J-A-V	150.00	23	64
Decision Series								
158.71	The Constitution And The Labor Union Issues challenging the constitutionality of a state ban on the closed shop, union shop, and other union security provisions are brought before the Supreme Court in <i>Whitaker et.al. v. North Carolina</i> .	3	1075	Soc. St.	A	125.00	57.3	65
158.72	Constitution and Military Power, The The Civil War case of <i>Ex Parte Milligan</i> and the World War II case of <i>Korematsu v. United States</i> highlight the problems of individual rights as against governmental powers in emergency periods.	3	1075	Soc. St.	A	125.00	57.3	65
158.73	Constitution And The Right To Vote, The Two cases — <i>Grovey v. Townsend</i> and <i>Smith v. Allwright</i> — which challenged the "white primary" are documented in this program.	3	1075	Soc. St.	A	125.00	57.3	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
158.74	Constitution, The: Whose Interpretation The program draws on historic film from the National Archives and other sources to illustrate the conflict among the various components of the government.	3	1075	Soc. St.	A	125.00	57.3	65
159.2	Declaration of Independence By The Colonies	2	702	Soc. St.	E-J-A	120.00	39	67
159.21	Declaration of Independence By The Colonies (color) Shows the incidents leading to the Declaration of Independence by the colonies. The emphasis is on the problem of preserving individual liberties.	2	704	Soc. St.	E-J-A	240.00	39	67
161.35	Defining Democracy The concept of democracy as opposed to that of despotism is developed by means of clear definitions, graphic devices and examples of actual democratic and despotic community practices.	1½	631	Soc. St.	A-V	90.00	39	65
161.4	Definite and Multiple Proportions Atoms and chemical laws of definite proportions demonstrated by electrolysis and recombination of water; multiple proportions by the quantitative decomposition of N ₂ O, NO and NO ₂ .	2	756	Phys.	A	120.00**	62.85	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
161.42	Deflecting Forces _____ Discusses nature of forces which produce curved paths, brings out concept of centripetal vector acceleration, shows how knowledge of path and mass of an object give information on force involved.	3	1090	Phys.	A	150.00**	62.85	66
161.45	Density _____ Examples of phenomena resulting from difference in density of various substances and changes in density within the substance; a practical application of principles of density to determining the state of charge of an automobile storage battery.	1	430	Sci.	J-A-V	55.00**	62.5	63
161.51	Dental Health—Why And How (color) _____	1	400	H.Ed.	E	60.00	24.1	65
161.52	Dental Health—Why And How (color) _____	1	400	H.Ed.	E	120.00	24.1	65
✓ 161.8	Design To Music (color) _____	½	199	Music-Art	V	65.00	57.8	67
162.11	Developing Friendships _____	1	400	Guid.	J-A-V	60.00	24.1	66
162.12	Developing Friendships (color) _____	1	400	Guid.	J-A-V	110.00	24.1	66
162.51	Developing Imagination _____	1	400	Guid.	J-A-V	60.00	24.1	63
162.52	Developing Imagination (color) _____	1	400	Guid.	J-A-V	110.00	24.1	63
162.6	Developing Leadership _____	1	400	H.Ed. Guid.	J-A-V	60.00	24.1	65
162.61	Developing Leadership (color) _____	1	400	H.Ed. Guid.	J-A-V	120.00	24.1	65
162.7	Developing Responsibility _____	1	400	Guid.	E-J-A-V	60.00	24.1	65
162.71	Developing Responsibility (color) _____	1	400	Guid.	E-J-A-V	120.00	24.1	65
162.8	Developing Self-Reliance _____	1	400	Guid.	J-A-V	60.00	24.1	67
162.81	Developing Self-Reliance (color) _____	1	400	Guid.	J-A-V	110.00	24.1	67
162.9	Developing Your Character _____	1	400	Guid.	E-J-A-V	60.00	24.1	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
162.91	Developing Your Character (color)	1	400	Guid.	E-J-A-V	110.00	24.1	66
163	Development of Communication (Second Edition) Shows the development of communication from the development of the electric battery to the latest in television. The film also shows the role of modern communication in our everyday lives.	1	358	Soc. St.	J-A-V	60.00	39	66
163.5	Development of A Chick Embryo The development of the chick, stage by stage from fertilization of the egg to mature chicken.	1	400	Bio.	A-V	55.00	89	65
163.7	Development of Power (color) Development and use of power from primitive man to the present. Shows each discovery leading to another step as science finds new ways to produce and use power.	1	400	Sci. Unit 3&4	J	110.00	1.8	67
163.95	Development of Transportation	1	398	Soc. St.	E-J	60.00	39	64
163.96	Development of Transportation (color) The development of transportation and the modern means of travel in use throughout the U.S. today.	1	398	Soc. St.	E-J	120.00	39	64
164.1	Developmental Characteristics of the Pre-Adolescent Behavior patterns of eight and nine year olds are revealed through the actions of eight year old Joan and her nine year old brother Jerry.	1½	648	Parent.Ed. Tchr.Tr.		105.00	62.5	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
165	Diagnosis and Planning Adjustments In Counseling Dramatizes an incident showing a counselor's diagnosis & treatment of a maladjusted student's emotional problem to explain the role of the counselor in the over all school program.	1½	648	T.T.	A-V	100.00	62.5	67
167.1	Dickens, Charles: Background for His Work	1	400	LA	E-J-A-V	60.00	24.1	63
167.11	Dickens, Charles: Background for His Work (color) Shows London and the times of Dickens as a background for understanding his work.	1	400	LA	E-J-A-V	110.00	24.1	63
167.2	Dickie Builds A Truck..... At school, Dickie constructs a simple wooden truck with correct use of basic hand tools and materials. The activity illustrates a child's ability to complete a project.	1	400	Ind.Arts	E-CLC	100.00	36.85	66
✓ 167.23	Die Tiere In Der Stadt..... Slowly, distinctly spoken German narrates a simple account about animals living in a city environment. Photographed in Munich.	1	430	German	A	80.00	57.8	66
167.25	Digestion — (Chemical	2	699	Scii.-Health Ed.	A-V	85.00	89	63
167.26	Digestion — (Chemical) (color) Anatomy and chemical activity of digestion are covered.	2	699	Sci.-Health Ed.	A-V	170.00	89	63
167.35	Digestion In Our Bodies.....	1	400	Health Sci.	A	60.00	24.1	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
167.351	Digestion In Our Bodies (color Steps in the digestive progress are traced and functions of main organs explained. X-ray technique and simplified diagrams are used.	1	400	Health Sci.	A	110.00	24.1	67
167.41	Digestion of Foods	1	402	Bio.	A-V	60.00	39	63
167.7	Dinosaur Age, The	1½	521	Sci. Bio.	A	70.00	43	65
167.71	Dinosaur Age, The (color) Introduces its audience to the work of paleontologists in reconstructing the past. It illustrates the methods used in locating, uncovering and transporting fossil remains to a museum. Models are shown.	1½	521	Sci. Bio.	A	140.00	43	65
168.1	Discharge Through Gases... Demonstration of the effect of reduction of pressure when an electrical potential is placed across a tube. Shows Faraday dark space and effect of magnetic and electrostatic fields.	1	456	Sci.	A-V	70.20	62.5	63
169.1	Discipline During Adolescence Intended to stimulate discussion about the amount and kind of guidance adolescents need from parents in different situations.	1½	607	Guid. Parent Ed.	9-12	95.00	62.5	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
170	Discovering Color (color) Film combines the science and art of mixing color into a stimulating visual presentation. Colors differ in three ways: hue, value, and intensity. The more we know about color, the more we can see, create, and appreciate.	1-1/3	568	Art	E-J-A-V	160.00	43	66
170.2	Discovering Texture (color) All through life, we learn about textures by touching and looking. Some textures are man-made; some are natural. Discovering textures can be a daily adventure. Our world is full of many textures for us to enjoy . . . some we feel, some we create.	1½	648	Art	E-J	170.00	43	67
170.35	Discovering the Library	1	400	L.Arts	E	60.00	24.1	65
170.36	Discovery the Library (color) Bobby goes to library, returns books, looks at shelves, asks librarian for help, selects two books on trains to take home.	1	400	L.Arts	E	120.00	24.1	65
170.38	Discussion Problems: The Griper The story of George, a high school student, who always sees the pessimistic side of everything, as seen through the eyes of his conscience.	1	446	Guid.	J-A-V	60.00	62.5	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
170.39	Discussion Problems: The Show-off _____ The story of Jim Brewster, a high school student, who aggressively seeks the attention of others.	1	438	Guid.	J-A-V	60.00	62.5	65
170.393	Discussion Problems: The Snob _____	1½	504	Guid.	E-J-A	80.00	62.5	64
170.394	The Snob (color) _____ Through the story of a high school girl whose attitude toward her school-mates causes her to be labeled a "snob," this film explores the basic problem of snobbery and the reasons for it.	1½	504	Guid.	E-J-A	160.00	62.5	64
170.395	Discussion Problems: The Troublemaker _____	1½	504	Guid.	J-A-V	80.00	62.5	64
170.396	The Troublemaker (color) _____ The dramatic story of a boy who turns troublemaker as a means of satisfying his own needs. Designed to show the interaction between the troublemaker and his peer group and to stimulate class discussion of what makes him behave that way.	1½	504	Guid.	J-A-V	160.00	62.5	64
170.397	Discussion Problems: Understanding Others _____	1	432	Guid.	4-6	70.00	62.5	64
170.398	Understanding Others (color) _____ A dramatic plea to judge the other person for his true value, ability and net worth, rather than by his economic background poor social skills and inability to be one of the group.	1	432	Guid.	4-6	160.00	62.5	64
170.43	Discussion Problems: The Other Fellow's Feelings _____	1	378	Guid.	J	60.00	62.5	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
170.44	Other People's Property.....	1	377	Guid.	E-J	60.00	62.5	67
170.45	The Outsider	1	450	Guid.	J	65.00	62.5	67
170.46	Discussion Problems: What About School Spirit Designed to suggest that school spirit rather than the immature concept of the frenzied sports rally, is a form of citizenship requiring the assumption of responsibilities, both curricular and extracurricular.	½	540	Guid.	J-A	80.00	62.5	64
170.47	Discussions in Democracy	1	400	Soc. Sci. Eng.	J-A-V	50.00	24.1	65
170.471	Discussions In Democracy (color)	1	400	Soc. Sci. Eng.	J-A-V	120.00	24.1	65
170.5	Distances	1	381	Hlth. Ed.	A-V	55.00	89	64
171	Distance Races	1	365	Hlth. Ed.	J	60.00	39	64
173.5	District of Columbia	1	400	Soc. St.	E-J	36.00	39	63
173.51	District of Columbia (color)	1	400	Soc. St.	E-J	103.20	39	63
173.9	D.N.A. Molecule of Heredity	1½	500	Bio.	A-CLC	90.00	39	66
173.91	D.N.A. Molecule of Heredity (color)	1½	500	Bio.	A-CLE	180.00	39	66
	Dr. George W. Beadle, Nobel Prize Winner, describes the basic molecule of the chomosome, diox-yrbonucleic aied (DNA). Using models, animation and photomicrography, he explains the DNA "code" which determines most of the organism's characteristics, how DNA reproduces itself in the growth process, and why errors in copying (mutations) though generally harmful, have been essential to evolution.							

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
174.3	Do Better On Your Examinations	1	400	Guid.	J-A-V	60.00	24.1	66
174.4	Do Better On Your Examinations (color)	1	400	Guid.	J-A-V	110.00	24.1	66
174.41	Do I Want to Be A Secretary?	1	400	Guid.	J-A-V	60.00	24.1	63
174.42	Do I Want to Be A Secretary? (color) Shows the skills, personal qualities, and educational background required for a successful career as a secretary and presents the principal duties of that position.	1	400	Guid.	J-A-V	110.00	24.1	63
174.5	Do Words Ever Fool You?	1	400	Lang. Arts	E-J	50.00	24.1	64
174.6	Do Words Ever Fool You? (color)	1	400	Lang. Arts	E-J	100.00	24.1	64
174.75	Dolls of Many Lands (color) Dolls in folk costumes representing the Greenland Eskimos, Canadian woodsmen, American Indians, South Americans and African natives.	1	334	Soc. St.	E-J-V	120.00	39	63
174.8	Dolphin Kick—Swimming... Stresses the improvement in swimming strokes, specifically the breaststroke.	¾	300	H.Ed.	J-A-V	45.00	24.1	67
174.91	Dona Rosa — Potter of Coyotepec (color) The black unglazed pottery of Oaxaca — ancient craft of Zapotec Indians. Rosa's primitive manner of shaping, decorating and firing. Traditional shapes. Illustrates the close relation of potter to materials.	1	375	Art	J-A-V	110.00	53	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
174.95	Donald In Mathmagic Land (color) Mathematics, sometimes known as the "science of order", forms the base upon which all of man's arts and sciences rest. An exploration of this premise serves as the theme for this motivational type film.	2½	1000	Math.	E-J-A-V	250.00***	28	66
175	Dong Kingman (color) Beautiful presentation of an artist's way of seeing and painting. Color is unusually fine.	2	600	Art	A-V	175.00	24.04	65
175.01	Don't Be Afraid	1	428	Guid. T.T.	E	60.00	39	64
175.02	Don't Be Afraid (color).....	1	428	Guid. T.T.	E	120.00	39	64
175.04	Don't Get Angry	1	418	Guid.	E	60.00	39	65
175.05	Don't Get Angry (color)..... Girls and boys of about sixth grade age are shown in situations which provoke them to anger. Film reveals physiological effects of anger and emphasizes control of anger in children and adults.	1	418	Guid.	E	120.00	39	65
176	Dr. Doolittle In The Lions Den Based on Hugh Lofting's book of Dr. Doolittle's trip to Africa, showing how he cures the monkeys of their affliction of jungle fever.	1	400	Lang.Art	E	55.00	24.04	65
176.1	Dr. Doolittle's Trip To Africa Based on Hugh Loftin's book of Dr. Doolittle's trip to Africa.	1	400	Lang.Art	E	55.00	24.04	65
177.3	Draftsmen of Dreams	1¼	616	Soc. St.	E-J	90.00	39	63
177.4	Dress for Health	1	374	Health Ed.	K-3	60.00	39	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
177.41	Dress for Health (color) This film stresses the wearing apparel for varying occasions. It also reveals the physiology associated with loss of body heat and retention of body heat.	1	374	Health Ed.	K-3	120.00	39	63
178	Drilling with Portable Drill Motors	1½	629	Aviation	V	39.34	71	67
179.4	Drive Defensively!	1	400	Driver Ed.	A-V	60.00	39	65
179.41	Drive Defensively! (color) A large part of this film was photographed from the driver's vantage point inside the car. This places the audience in the driver's seat. The driver has many excellent driving skills, but the film shows how such a driver, despite his own skills, will continually endanger himself and others until he learns to drive defensively.	1	400	Driver Ed.	A-V	120.00	39	65
179.46	Driver Education Adverse Conditions Describes the safety factors involved for utmost driving efficiency in snow and ice. Discusses the special problems of rain. Shows the changes in traffic conditions.	3	1100	Driver Ed.	A-V	125.00	57.3	66
179.47	Defensive Action Reviews defensive driving and the importance of perception. Defines defensive action. Discusses loss in perception, comprehensive viewing vs. acute viewing, scanning, and distractions.	3	1100	Driver Ed.	A-V	125.00	57.3	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
179.48	Defensive Driving Discusses the element of chance and philosophy of defensive driving. Emphasizes that obeying law is not enough—it is important to use our sense of perception.	3	1100	Driver Ed.	A-V	125.00	57.3	66
179.49	Down Shifting and Emergency Stops and Turns Discusses the occasions when it is necessary to shift to a lower gear ratio. Explains how to make proper right and left turns and ways of turning the car around.	3	1100	Driver Ed.	A-V	125.00	57.3	66
179.5	The Driver's License Explains misconceptions concerning the purpose, suspension or revocation of, and prerequisites for a driver's license. Presents a desirable driver's license program.	3	1100	Driver Ed.	A-V	125.00	57.3	66
179.51	Laws, Enforcement & Courts Discusses variations in enforcement and court procedure, the driver's relations with police and court, and the importance of voluntary observance of traffic laws.	3	1100	Driver Ed.	A-V	125.00	57.3	66
179.52	Man-Made Laws Emphasizes that without traffic laws our streets and highways would be in a state of confusion. Discusses the uniform traffic code covering speed, passing, signals, etc.	3	1100	Driver Ed.	A-V	125.00	57.3	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item Reels	in feet	Subject	Level	No. of Length	Price	Contr.	School † No.	Title		
179.53		Natural Law		3	1100	Driver Ed.	A-V	125.00	57.3	66
		Depicts how nature's traf- fic laws demand obedi- ence. Explains the work- ings of such natural forces as friction, centri- fugal force, momentum, force of impace, and the pull of gravity.								
179.54		Night Driving and Emergency Situations		3	1100	Driver Ed.	A-V	125.00	57.3	66
		Emphasizes difficulties of night driving and explains steps necessary to lessen accident danger. Gives de- tailed information con- cerning emergency situa- tions and what to do when they arise.								
179.55		Parking and Backing Into A Stall and Skills On Hills		3	1100	Driver Ed.	A-V	125.00	57.3	66
		Demonstrates steps in- volved in parallel park- ing and correct way to pull out of a parallel parking space. Describes necessary skills for park- ing, stopping, and start- ing on an upgrade.								
179.56		Pedestrians and Cyclists		3	1100	Driver Ed.	A-V	125.00	57.3	66
		Gives detailed analysis of pedestrian fatalities and suggestions for pedestrian safety. Points out how safe walking on streets and highways has become a serious problem.								
179.57		Preparing to Start and Starting, Steering, Stopping, Backing		3	1100	Driver Ed.	A-V	125.00	57.3	66
		Discusses the importance of checking the car and becoming thoroughly ac- quainted with gauges, safety aids, starting de- vices, control devices, and car systems before start- ing the engine.								

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
179.58	Standard Shift Driving and Practice Driving In Traffic Gives importance of knowing your own lane, proper speed, and meaning of traffic signs. Tells correct way to handle gearshift when starting and stopping the car.	3	1100	Driver Ed.	A-V	125.00	57.3	66
179.59	Traffic Control Discusses importance of shape of signs; proper placement of signals and roadway markings; importance of traffic and pedestrian controls; radar and speed checks; etc.	3	1100	Driver Ed.	A-V	125.00	57.3	66
179.62	Driver Training Advanced Turning Movements	1	400	Dr. Ed.	A-V	50.00	3	63
179.63	Driving Gear Shift Car.....	1	400	Dr. Ed.	A-V	50.00	3	63
179.8	Driving Tips	2	720	Driver Ed.	A-V	120.00	26	64
179.81	Driving Tips (color) This is a series of every day proper driving rules and regulations including such items as: Safety of passengers in car. Dangers of litter-bug habits. Hitch hiking is against the law. Recognition of road marks. Also shows proper attitudes of good driving including the following points: The effects of alcohol on drivers, courtesy and good judgment on the-road.	2	720	Driver Ed.	A-V	240.00	26	64
179.9	Driving Without Tears Highlights of auto school techniques-class and individual training appropriate to senior high school and adult groups.	1	379	Driver Train	J-A-V	40.00**	64	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
180	Dropout, The _____ Depicts the story of one of the thousands of youngsters that leave high school without graduating. The film shows how education and community activities may tackle the problem of "The Dropout".	3	1000	Guid. T.T	A-V	155.00	57.8	67
180.2	Drunk Driving _____ An ordinary citizen driving while intoxicated brings injury to himself and death to others in a collision.	2	840	Safety	Adult	120.00***	39	66
180.29	Duplicating By The Spirit Method _____	1¼	507	Bus. Ed.	A-V	75.00	3	67
180.291	Duplicating By The Spirit Method (color) _____ Carbon master sets are shown and the dye transfer process is illustrated in this demonstration of spirit duplicating. Attention is given to each stop.	1¼	507	Bus. Ed.	A-V	140.00	3	67
180.35	Dust Bowl _____ Story of neglect of land and people who farmed the land, exploitation, speculation and complacency which resulted in a mass migration from the drought-ridden areas of the southwest to California.	3	1080	Soc. St	A-V	135.00	62.5	67
180.4	Dynamics of Phagocytosis... The interaction between Group A Streptococci and Human Neutrophils in vitro.	2½	1030	Bio. Tch.Tr.	Adv.Cl.	60.00	20.4	65
180.43	Dynamics of Solution _____	1¼	522	Sci.	A-V	85.00	62.5	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
180.431	Dynamics of Solution (color)	1½	522	Sci.	A-V	170.00	62.5	67
	This film shows the difference between saturated, unsaturated & supersaturated solutions. Deals with characteristics of solutions, with proof that solutions are non static & with the nature of dynamic equilibrium.							
180.5	Early America: Home & Colony	1	285	Soc. St.	E-J	40.00	72.3	65
	A filmed visit to Mount Vernon, home of George Washington . . and to Jamestown*, the first permanent settlement in America.							
	*reconstructed							
180.6	Early American Civilizations (Mayan, Aztec, Incan)	1½	500	Soc. St.	J-A-V	75.00	24.1	64
180.61	Early American Civilizations (Mayan, Aztec, Incan (color)	1½	500	Soc. St.	J-A-V	137.50	24.1	64
	A story of Aztec, Inca and Mayan civilization and cultures as told through a study of the remains of these civilizations.							
181	Early Settlers of New England	1	390	Soc. St.	E	60.00	39	64
181.35	Earning Money While Going to School	1	400	Guid.	E-J-A-V	60.00	24.1	65
181.36	Earning Money While Going to School (color)	1	400	Guid.	E-J-A-V	120.00	24.1	65
181.5	Ears and Hearing	1	370	Health Ed.	J-A-V	60.00	39	65
182.1	Earth, The	1	367	Sci.	E	55.00	53	63
182.21	Earth, The Changes In Its Surface	1	400	Sci.	E-J	60.00	24.1	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
182.22	Changes In Its Surface (color) _____ Erupting volcano provides dramatic proof that surface of the earth is changing. Forces, both internal and external, are explained and visually demonstrated. Agents of erosion and weathering explained and demonstrated.	1	400	Sci.	E-J	110.00	24.1	66
182.23	Its Oceans _____	1¼	500	Sci.	E-J	75.00	24.1	66
182.24	Its Oceans (color) _____ Film reveals changing pattern of ocean's surface, living and non-living things in its waters, nature of ocean floor, and influence of oceans upon man.	1½	500	Sci.	E-J	137.50	24.1	66
182.25	Its Structure _____	1	400	Sci.	E-J	60.00	24.1	66
182.26	Its Structure (color) _____ Through animation, simple sketches, clear shots of geological phenomena, and lab demonstrations, we examine surface and interior of earth: core, mantle, and crust.	1	400	Sci.	E-J	110.00	24.1	66
182.27	Resources In Its Crust _____	1	400	Sci. Unit II, I	8	60.00	24.1	66
182.28	Resources In Its Crust (color) _____ Film surveys the major useful organic and mineral substances found in the earth's crust. Resources classified as metallic and non-metallic minerals, and mineral fuels.	1	400	Sci. Unit II, I	8	110.00	24.1	66
182.29	Earth, The: Its Atmosphere	1	400	Sci.	E-J-A	60.00	24.1	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
182.291	Earth, The: Its Atmosphere (color) ----- Film describes structure and composition of earth's atmosphere; shows characteristics of the troposphere, stratosphere, and ionosphere.	1	400	Sci.	E-J-A	110.00	24.1	67
182.7	Earth In Change, The.....	1½	600	Sci.	J	90.00	39	67
182.71	Earth In Change, The (color) ----- Tells the story of the changing land features of our planet. Shows how the earth is worn away as well as how it is built up.	1½	600	Sci.	J	180.00	39	67
183	Earth In Motion	1	414	Gen. Sci.	A-V	60.00	39	64
183.3	Earth Satellites: Explorers of Outer Space	1½	609	Sci.	E-J 73.2d	90.00	39	64
183.31	Earth Satellites: Explorers of Outer Space (color)..... Answers questions most asked about artificial satellites, and includes a look at things to come in the Space Age.	1½	609	Sci.	E-J 73.2d	180.00	39	64
183.35	Earthworm Anatomy	1	404	Sci.	A-Ad	50.00	57.3	67
183.351	Earthworm Anatomy (color) ----- Presents techniques of dissection as well as external and internal details. Close up and microphotography reveals the major organs and the circulatory, digestive, nervous, excretory, and reproductive systems.	1	404	Sci.	A-Ad	100.00	57.3	67
183.36	Earthworm: Anatomy and Dissection	1	400	Sci.	J-A-Ad	60.00	24.1	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
183.361	Earthworm: Anatomy and Dissection (color) _____ A close look at digestive, circulatory, excretory, nervous, and reproductive systems of the earthworm. Functioning illustrated by extreme close-up photography, photomicrography, and diagrams.	1	400	Sci.	J-A-d	110.00	24.1	67
183.4	Earth's Changing Surface...	1	396	Sci.	J	65.00	62.5	67
183.41	Earth's Changing Surface (color) _____ Discusses effects of water, wind temperature, etc., as agents in the wearing out of land as well as that part played by volcanoes, earthquakes, etc., in building up the earth's surface.	1	396	Sci.	J	120.00	62.5	67
183.5	Earthquakes _____	1	400	Sci. Nat.	E-J	50.00	1.15	63
183.51	Earthquake in Ecuador ____ Tells the story of what happens when an earthquake strikes a nation. How the U.N. helps the people of an under-developed country get back on its feet. Ends on the theme that people must help themselves.	1	475	Soc. St.	E-J-A-V	32.50	24.04	64
183.6	Earthquakes and Volcanoes	1½	477	Sci.	J-A-V	62.50	43	63
183.61	Earthquakes and Volcanoes (color) _____ This film describes the cause of volcanoes and earthquakes.	1½	477	Sci.	J-A-V	125.00	43	63
183.8	Earthworms _____ How earthworms improve the soil. Experiment to show how worms make soil porous. How earthworms are born, eat and make tunnels also shown.	1	399	Sci.	4-6	100.00**	29	64
184.2	Eat for Health _____	1	400	Health Ed.	E-J	60.00	39	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
184.21	Eat for Health (color) Importance of eating proper foods.	1	400	Health Ed.	E-J	120.00	39	65
184.7	Echinoderms-Sea Stars & Their Relatives	1½	600	Bio.Zoo	A	90.00	39	67
184.71	Echinoderms-Sea Stars & Their Relatives (color) Unusual features of the Echinoderms are examined. Different forms of Echinoderms are shown and their life functions are fully explored.	1½	600	Bio.Zoo	A	180.00	39	67
185	Eclipse	1	400	Science	J	50.00	1.15	66
186	Edison, Thomas Alva We turn back time to review the life and work of a man whose inventions benefit us every day of our lives.	1	255	Soc. St.	E-J	35.00	72.3	65
186.2	Effective Criticism	1	400	Guid.	A	60.00	24.1	66
186.21	Effective Criticism (color)	1	400	Guid.	A	110.00	24.1	66
186.5	Effective Learning In The Elementary School A 5th grade teacher tells some of her own experiences in making learning more effective. In her class teacher & pupil work together on such basic skills as reading, writing, arithmetic, etc.	2	720	T.T.	Ad.	120.00	62.5	67
187	Eggs	1	401	Soc. St. Nat.	E-J	60.00	39	67
187.04	Eggs By Automation How electro-mechanical principles have been applied to the ticklish job of packaging a quarter million eggs a day in a modern egg plant.	1	400	Soc. St.	E-J	85.00	57.23	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
187.08	Egypt: A Country In Transition A study of significant factors in the continuing evolution of a nation, contrasting present progress with backward, primitive way of life.	1	375	Soc. St.	A	115.00	57.8	67
187.12	Egypt Yesterday Shows Egypt as it existed centuries ago through edifices and other signs which still exist, mummies of Pharaoh's of 3000 years ago highlight this dramatic film.	1-1/3	510	Soc. St.	A	135.00	21.5	66
187.16	Eighteenth Century England	1	400	Soc. St.	A-V	60.00	24.1	67
187.17	Eighteenth Century England (color) Function of people and places in reconstruction of past times, specifically eighteenth century England.	1	400	Soc. St.	A-V	110.00	24.1	67
187.2	Eighteenth Century Life In Williamsburg, Virginia (color)	4	1600	Soc. St.	E-J	260.00	23	64
187.21	Unit I — Homelife	2	747	Soc. St.	E-J	130.00	23	64
187.22	Unit II — Cabinet Making	1	371	Soc. St.	E-J	65.00	23	64
187.23	Unit III — Community Life The Social and economic life of middle-class people in Colonial Virginia is portrayed.	1	482	Soc. St.	E-J	65.00	23	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
187.27	El Cumpleaños de Pepita (color) Around the story of Pepita's birthday, the author has built a visit to Patzcuaro showing scenes of fishing, farming and finally a surprise party in the patio of Pepita's home. Shows authentic scenes of Mexican life and is related in simple Spanish clearly enunciated.	1½	610	Spanish	A	180.00	57.8	64
187.3	Electric Circuits Shows the basic facts of an electric circuit, the application of resistance in an electric toaster and how an over-loaded line blows a fuse.	1	420	Sci.	J-A-V	55.00**	62.5	63
187.5	Electric Fields Meaning of field as mathematical and physical entity; vector addition, shielding, electric force in straight and curved conductors; radiation.	2¼	910	Phys.	A	120.00**	62.85	66
188.5	Electricity All About Us (Exploring Science)	1	400	Sci.	E	60.00	24.1	64
188.51	Electricity All About Us (Exploring Science) (color) Illustrates the characteristics of static electricity an electrical circuit, and the ways electricity is generated.	1	400	Sci.	E	110.00	24.1	64
188.6	Electricity: How It Is Generated	1	400	Sci.	8-9	60.00	24.1	66
188.61	Electricity: How It Is Generated (color) Film demonstrates basic principles of generation of electricity, the difference between alternating and direct current, and the nature of the electrical circuit.	1	400	Sci.	8-9	110.00	24.1	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
189	Electricity: How To Make A Circuit	1	399	Sci.	5-6	60.00	39	65
189.1	Electricity: How To Make A Circuit (color) Explains how a dry cell battery works. Shows what a circuit is and the difference between high and low voltage electricity.	1	399	Sci.	5-6	120.00	39	65
189.5	Electricity: Principles Of Safety	1	400	Sci.	E-J	60.00	24.1	66
189.51	Electricity: Principles Of Safety (color) We see hazards of overloaded circuits and short circuits; how fuse and circuit breaker function as safety devices; how harm can be avoided.	1	400	Sci.	E-J	110.00	24.1	66
189.7	Electricity Works For Us	1	396	Sci.	5-6	70.00	62.5	66
189.71	Electricity Works For Us (color) Just before dinner the power goes off in the McMahon home. Tommy and Jane conscious of the convenience of electricity. Their father takes them to the local power plant and then they trace the wires from the street to their home.	1	396	Sci.	5-6	140.00	62.5	66
190	Electrochemistry Shows, by means of demonstrated and animated drawings, how chemical energy may be transformed into electrical energy and electrical energy into chemical energy.	1	388	Sci., Chem.	J-A-V	60.00	39	66
190.11	Electromagnets (Revised) ..	1	396	Sci.	5-6	65.00	62.5	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
190.111	Electromagnets (Revised) (color) _____ Explains the theory of a electromagnetism by means of simple equip- ment and demonstrations, shows how the electro- magnet is used in the doorbell, the telegraph & many other everyday ap- plications.	1	396	Sci.	5-6	125.00	62.5	67
190.12	Electromotive Force Series	1½	532	Sci.	A-V	75.00	62.5	67
190.121	Electromotive Force Series (color) _____ This film shows how single electrode potentials can be determined against a reference electrode, the construction of the E.M.F. Series, relation- ship between this series and chemical activity.	1½	532	Sci.	A-V	150.00	62.5	67
190.14	Electrons At Work _____	1½	520	Sci.	8th-Unit 3 9th-Unit 2	75.00	39	67
190.141	Electrons At Work (color) The evidence that elec- trons do exist is given in concise and simple ex- periments and then the development of some of the uses of electrons is explained.	1½	520	Sci.	8th-Unit 3 9th-Unit 2	150.00	39	67
190.15	Electrons In A Uniform Magnetic Field _____ A Leybold tube (spheri- cal cathode-ray tube with some gas to show path of electron beam) is used to measure the curvature of the path of electrons in a magnetic field, thus de- termine the mass of the electron.	1	395	Phys.	A	60.00**	62.85	66
190.2	Electrostatics (2nd Ed.)—	1	390	Physics	A	60.00	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
190.5	Elementary Charges and Transfer of Kinetic Energy _____ An experimental check that electrons do acquire the predicted energy when they move in a vacuum tube for a known distances in a known electric force field.	2¾	900	Sci.	CLC-A	150.00**	62.85	67
190.6	Elementary School Children Pt. I Each Child is Different _____ Five children, representing a cross section of Miss Smith's fifth year class on the opening day of the school year, are presented to illustrate background data which a good teacher must come to know about each individual child if she is to adapt her teaching program to his needs and abilities.	1½	612	Tchr.Tr.		100.00	62.5	65
190.61	Elementary School Children Pt. II Discovering Individual Differences _____ This film uses the five children described in Each Child Is Different to demonstrate how Miss Smith obtained the information about each child and adapted her teaching program to meet their individual needs.	2	900	Tchr.Tr		140.00	62.5	65
191	Elements of Electric Circuits _____	1	388	Physics	A	60.00	39	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
	Elements Series							
191.3	Beyond Uranium Development of new elements by the Nobel prize winners Seaberg and Mc-Millan. An inspirational presentation by the men who worked in the Radiation Laboratories in California.	2½	1000	Sci.-CLC	A	125.00	57.3	63
191.31	Making Elements Presentation by various nuclear scientists under the direction of Dr. Seaberg, Nobel Prize Winner, of the methods used in producing new elements. Knowledge of the periodic table is fundamental as is a basic course in chemistry to the understanding of this film.	2½	1000	Sci.-CLC	A	125.00	57.3	63
191.32	Modern Alchemy The work of the Nobel Laureates, Seaburg, Anderson and Segre in using modern techniques such as the cyclotron in discovering the elements missing in the periodic table. Good understanding in chemistry needed before viewing this film.	2½	1000	Sci.-CLC	A	125.00	57.3	63
192.5	Elephant Baby Narrative story of domesticated elephants from a baby elephant in its first day in jungle to graduation training day, when the elephant joins the working force in a teakwood lumber camp in India.	1	412	Lang. Art.	E	60.00	39	64
192.51	Elephant Baby (color) Narrative story of domesticated elephants from a baby elephant in its first day in jungle to graduation training day, when the elephant joins the working force in a teakwood lumber camp in India.	1	412	Lang. Art.	E	120.00	39	64
193	Elephants Narrative story of domesticated elephants from a baby elephant in its first day in jungle to graduation training day, when the elephant joins the working force in a teakwood lumber camp in India.	1	394	Nature	E	60.00	39	66
193.5	Elimination Narrative story of domesticated elephants from a baby elephant in its first day in jungle to graduation training day, when the elephant joins the working force in a teakwood lumber camp in India.	1	475	Bio.	A	70.00	89	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
193.52	El Patito Feo (The Ugly Duckling) Famous Hans Christian Andersen story retold in clearly understood Spanish.	1	400	Span.	E-J	60.00	24.1	66
193.53	El Pueblo Guatemalteco	1	392	Spanish	J-A-V	60.00	3	67
193.54	El Pueblo Guatemalteco (color) Life in Guatemala showing the market, women at work and burdens carried by men and burros. Scenes also depict religious devotions.	1	392	Spanish	J-A-V	110.00	3	67
193.55	Eli Whitney Invents The Cotton Gin Shows importance of cotton on the economic life of the South, the picking of cotton by hand and by machine, and the influence of the cotton gin.	2½	1000	Soc. St.	J-A-V	135.00	62.5	64
193.56	Elliptic Orbits Using Kepler's law of areas, shows that the gravitational force on the satellite obeys an inverse square relation. The derivation is almost entirely geometric in nature.	1¾	695	Phys.	A	90.00**	62.85	66
193.57	Emancipation Proclamation T.V. program "You Are There"—reports on feeling in the South, in an Army camp, among freed Negroes, and in other countries.	2½	1000	Soc. St.	J-A-V	135.00	62.5	63
193.6	Emotional Health	2	747	Health Ed.	J-A-V	120.00	62.5	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
193.63	Emotional Maturity Through the story of Dave, a 16 year old boy who reacts to frustration in an emotionally immature way, the film is intended to stimulate discussion as to how adults can play an important part to develop emotional maturity.	1½	751	Guid.		120.00	62.5	63
193.66	Emperor's New Clothes, The	1	432	Lang. Art	E	55.00	12	65
193.661	Emperor's New Clothes, The (color) Animated puppet version of the old fairy tale.	1	432	Lang. Art	E	135.00	12	65
193.67	Enameling Art (color) Good examples of traditional and modern enameling; also suggestions for various grade levels.	1	432	Art	A-V	135.00	57.8	64
193.69	Encaustic (color) Depicts the revival in the late 1930's, by Karl Zerbe, of the ancient picture making techniques which use hot wax as a binder for pigment.	2	650	Art	A	185.00	57.8	67
193.7	Endocrine Glands	1	382	Bio.	A-V	60.00	39	63
193.9	Energy	1	380	Sci.	E	55.00	53	66
193.95	Energy and Its Forms	1	400	Sci.	6 & J I-G-C	60.00	24.1	67
193.951	Energy and Its Forms (color) Basic concept of energy and examples of principal forms, including nuclear energy demonstrated. We see how energy is changed from one form to another.	1	400	Sci.	6 & J I-G-C	110.00	24.1	67
194	Energy And Its Transformation	1	382	Physics	J	60.00	39	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
194.05	Energy & Reaction	1½	522	Sci.	A-V CLC	90.00	62.5	67
194.051	Energy & Reaction This film shows the relationship between energy, in its various manifestations, & chemical reactions. This is related to such fundamental concepts as making & breaking chemical bonds.	1½	522	Sci.	A-V CLC	180. 00	62.5	67
194.09	Energy and Work	1	412	Sci.	Gr. 7 Unit 3	60.00	39	67
194.091	Energy and Work (color) The expending of energy and the story of how energy can be stored are important aspects of this film. Kinetic energy is explored and explained.	1	412	Sci.	Gr. 7 Unit 3	120.00	39	67
194.1	Energy and Work	3	1065	Phys.	A	150.00**	62.85	66
	Work calculated as area under force-distance curve is shown to agree with kinetic energy calculated from mass and velocity; curve starts simple and becomes complicated.							
194.15	Energy Does Work	1	400	Sci.	6th	60.00	24.1	67
194.151	Energy Does Work (color) Using examples appealing to children, film explains work is done whenever something is moved, that energy causes things to move, that energy can be stored.	1	400	Sci.	6th	110.00	24.1	67
194.2	Energy From The Sun This film shows how the sun acts as a source of energy utilized on the earth. In turn, it shows how the sun's energy is converted to the energy of the clouds, wind, precipitation, plants.	1	386	Gen. Sci.	J	60.00	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
194.3	Energy In Our Rivers _____	1	400	Soc. St. Sci.	E-J	50.00	24.1	65
194.4	Energy In Our Rivers (color) _____	1	400	Soc. St. Sci.	E-J	120.00	24.1	65
195	Engineer In A Fur Coat_____	2	770	Sci.	Gr. 4&6	100.00	56.3	67
195.1	Engineer In A Fur Coat (color) _____ A family of beavers that performed for the camera, in the open, in bright sunlight and unafraid makes this a once in a lifetime wildlife film production.	2	770	Sci.	Gr. 4&6	200.00	56.3	67
195.18	Engineering Drawing (An Introduction To) According to Plan: _____	1	329	Mech. Draw.	A-V	55.00	62.5	64
195.2	Orthographic Projection_____	1½	666	Mech. Draw.	A-V	105.00	62.5	64
195.3	Auxiliary Views _____	2	852	Mech. Draw.	A-V	125.00	62.5	64
195.4	Sections & Conventions _____	1½	570	Mech. Draw.	A-V	85.00	62.5	64
195.5	The Drawing & The Shop	1½	560	Mech. Draw.	A-V	85.00	62.5	64
195.6	Selection of Dimensions _____	1½	640	Mech. Draw.	A-V	100.00	62.5	64
196	Engineering Drawing (Set II) Simple Developments _____ Shows how the following objects are developed,—regular and truncated objects emphasizing true lengths of lines.	1	396	Mech. Dr.	A-V	65.00	62.5	65
201.05	Engines and How They Work _____	1	400	Sci.	E-J	60.00	24.1	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
201.06	Engines and How They Work (color) Operating principles of various types of engines including steam, gasoline, Diesel, turbine, jet and rocket are explained through the use of animation, models and live action.	1	400	Sci.	E-J	110.00	24.1	64
✓ 201.07	England of Elizabeth (color) The England of Elizabeth is presented through buildings, books, portraits, statuary of the period, and other means which enable the student to understand the greatness and glory of this period of English History.	2½	935	Soc. St.	A	265.00	57.8	66
201.08	English History: Absolutism and Civil War	1	400	Soc. St.	A	60.00	24.1	64
201.09	English History: Absolutism and Civil War (color) Re-enacted are the conflicts during the reigns of James I and Charles, I, the Civil War and Commonwealth period, and the restoration of the monarchy.	1	400	Soc. St.	A	110.00	24.1	64
201.21	English History Early Times to 1066	1	400	Soc. St.	A-V	60.00	24.1	63
201.22	Early Times to 1066 (color) Landmarks and historical materials from 1900 B.C. to 1000 A.D. are blended with brief re-enactments to give a panorama of the island of Britain and to illustrate the assimilation of many people in the development of the English nation.	1	400	Soc. St.	A-V	110.00	24.1	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
201.23	Norman Conquest to The Fifteenth Century	1	400	Soc. St.	A-V	60.00	24.1	63
201.24	Norman Conquest to The Fifteenth Century (color)	1	400	Soc. St.	A-V	110.00	24.1	63
	Covers the period from the Norman Conquest in 1066 to the decline of feudalism about 1400, during the time of Henry V. Out of this period came many milestones such as trial by jury and the Magna Carta, that mark the steady growth of individual rights and liberties.							
201.245	English History: Restoration and Glorious Revolution	1	400	World His.	A	60.00	24.1	64
201.246	English History: Restoration and Glorious Revolution (color)	1	400	World Hist.	A	110.00	24.1	64
	Dramatizes the restoration of Charles II, the succession of James II, and the coming of William and Mary, the first monarchs to rule under constitutional limitations.							
201.25	Tudor Period	1	400	Soc. St.	A-V	60.00	24.1	63
201.26	Tudor Period (color)	1	400	Soc. St.	A-V	110.00	24.1	63
	Covering the period of English History from 1485 to 1603, this film treats the growth of the National State under Henry VII and Henry VIII, and the use of England as a leading world power during the reign of Elizabeth. Concludes with the emerging of English culture at the height of the Elizabethan period and its influence in America.							

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
201.4	English History: 19th Century Reforms	1½	500	Soc. St.	A	75.00	24.1	65
201.41	English History: 19th Century Reforms (color) Shows the political developments of 19th century England which marked the nation's transition from an Aristocracy to a Democracy.	1½	500	Soc. St.	A	150.00	24.1	65
201.5	England: Background of Literature	1	400	Lang. Arts	J	60.00	24.1	64
201.63	English Language: The Story of its Development	1	400	Lang. Arts	A-V	60.00	24.1	63
201.64	English Language: The Story of its Development (color)	1	400	Lang. Arts	A-V	110.00	24.1	63
201.7	English & Dutch Colonization in the New World.....	1	400	Soc. St.	J	60.00	24.1	66
201.71	English & Dutch Colonization in the New World (color) The basic motivations that led to the settlement of America by the Dutch and English; and the problems of the new settlers that resulted from their background & the conditions they found in the new land are presented.	1	400	Soc. St.	J	110.00	24.1	66
201.93	English Literature — 17th Century	1½	500	Lang. Arts	A	75.00	24.1	64
201.94	English Literature — 17th Century (color) Outline of two historical periods of the seventeenth century and their effect on literature.	1½	500	Lang. Arts	A	137.50	24.1	64
201.95	English Literature: Chaucer and The Medieval Period	1½	500	Lang. Art	A-V	75.00	24.1	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
201.96	Chaucer and The Medieval Period (color) Re-enactments of Robin Hood Ballad-Piers Plowman, Sir Gawaine and the Green Knights, Mort D'Arthur as well as a portion of the Canterbury Tales.	1½	500	Lang. Art	A-V	137.50	24.1	63
201.97	The Elizabethan Age	1½	500	Lang. Art	A-V	75.00	24.1	63
201.98	The Elizabethan Age (color) William Shakespeare Francis Bacon, Sir Phillip Sidney, Edmond Spenser are some of the people mentioned and their works discussed.	1½	500	Lang. Art	A-V	137.50	24.1	63
201.99	The Romantic Period	1½	500	Lang. Art	A-V	75.00	24.1	63
202	The Romantic Period (color) Through the eyes of a young journalist of 1828, the audience participates in a period of literary, as well as political revolution. Selections from Burns, Wordsworth, Coleridge, Shelley, Keats and others are given.	1½	500	Lang. Art	A-V	137.50	24.1	63
202.01	The Victorian Period	1½	500	Lang. Art	A-V	75.00	24.1	63
202.02	The Victorian Period (color) The setting is a bookshop where many people visit and read the works of Macaulay, Carlyle, Darwin, Huxley, the Bronte Sisters, Dickens and others.	1½	500	Lang. Art	A-V	137.50	24.1	63
202.07	Erie Canal, The A history of the Erie Canal — the golden gateway to the West.	1	220	Soc. St.	E-J-A	30.00	72.3	65
202.1	Erosion	1	345	Sci.	E	55.00	53	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
203.4	Eskimo Family	1½	623	Soc.St. Lang.Art	E-J	90.00	39	66
203.41	Eskimo Family (color) Pictures Eskimo family life at spring and summer camp sites, at trading post; shows how outside world contacts are chang- ing way of life.	1½	623	Soc.St. Lang.Art	E-J	180.00	39	66
203.45	Eskimo In Life and Legend: The Living Stone	2	789	Soc.St.	J-A-V C-L-C	120.00	39	66
203.46	Eskimo In Life and Legend: The Living Stone (color) Story of the Eskimo, past and present, told through native sculpture.	2	789	Soc.St.	J-A-V C-L-C	240.00	39	66
203.7	Eskimo Summer	1½	581	Soc. St.	E-J	90.00	57.8	66
203.71	Eskimo Summer (color)..... Depicts the search for food and shows some of the useful or decorative articles made with skins and bones of bear and seal.	1½	581	Soc. St.	E-J	180.00	57.8	66
204.1	Eskimos (color)	1	375	Soc. St.	E-J	120.00	39	66
205.1	Espana La Familia Mateo de Madrid (color) (Spanish Language Sound Track) The Mateo family activities encour- age an understanding of modern Spanish life and culture. Family attends Exposition: exhibits, craft shops, folk dancing, bull fighting, picnic and boat- ing in park.	1½	600	Span.	J-A-V	130.00	48	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
205.11	Tierra Y Pueblo (Spain: Land and the People) Visiting Madrid, Seville and Central Plateau reveals characteristics of modern Spain. Family life on Spanish farm also observed.	1	400	Span.	E-J-A-V	60.00	24.1	66
205.12	UNA Familia De Valencia (color (Spanish Language Sound Track) The Clement family (Maria, 16, Jose, 17, and Juan, 13) encourage an understanding of the Spanish people and their culture. They attend exposition, folk dancing, harbor and beach picnic.	1½	600	Span	J-A-V	130.00	48	66
205.5	Everyday Courtesy	1	400	Lang. Arts	E	60.00	24.1	64
205.6	Everyday Courtesy (color)	1	400	Lang. Arts	E	110.00	24.1	64
205.63	Evidence For Molecules and Atoms	1¾	700	Sci.	Gr. 7- Unit 2 Gr. 9-Unit 4	120.00	39	67
205.631	Evidence for Molecules and Atoms (color) In this film seven simple experiments convince the viewer that molecules and atoms do indeed exist in all matter.	1¾	700	Sci.	Gr. 7 Unit 2 Gr. 9-Unit 4	240.00	39	67
205.65	Exchanging Greetings and Introductions	1	396	Guid.	5-9	65.00	62.5	66
205.651	Exchanging Greetings and Introductions (color) Demonstrate the proper forms of greetings and introductions and to supply the reasons for their use.	1	396	Guid.	5-9	130.00	62.5	66
205.71	Exercise and Health	1	400	Health Ed. Guid.	A-V	60.00	24.1	65
205.72	Exercise and Health (color)	1	400	Health Ed. Guid.	A-V	120.00	24.1	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
	Experiences in Science							
205.81	Nothing But Air	1	400	Sci.	E-J	55.00	39	65
205.82	Water in the Air	1	400	Sci.	E	55.00	39	65
205.83	We Make A Fire	1	400	Sci.	E	55.00	39	65
205.835	Experimenting With Air..... Characteristics and prop- erties of air are covered, and the power of atmos- pheric pressure is por- trayed. Practical ex- amples stimulate interest and show how we use our knowledge about air.	2	560	Sci.	E	145.00	57.8	67
205.841	Explaining Matter: Chemical Change	1	400	Sci.	8-III	60.00	39	66
205.842	Explaining Matter: Chemical Change (color) Shows chemical change as part of everyday life; how chemical changes can produce energy, and make food.	1	400	Sci.	8-III	120.00	39	66
205.85	Explaining Matter: Atoms and Molecules	1¼	485	Sci.	E-J-A 94.2	75.00	39	64
205.86	Explaining Matter: Atoms and Molecules (color) Explains how atoms com- bine to form molecules which in turn form all materials.	1¼	485	Sci.	E-J-A- 94.2	150.00	39	64
205.861	Explaining Matter: Mole- cules In Motion	1	406	Sci.	5-6	60.00	39	65
205.862	Explaining Matter: Mole- cules In Motion (color) Shows the relationship of solids, gases and liquids to one another, and their places in the molecular theory. Water, carbon dioxide and molten met- als are used to demon- strate the various physi- cal changes involved in the state of matter.	1	406	Sci.	5-6	120.00	39	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
205.87	Explorations in Laboratory Animal Care _____ Describes the use of laboratory animals with a good presentation of their use in scientific method.	2	800	Sci.	A	195.00	89.3	64
205.9	Exploring a Harbor (color) _____ A boy sees many types of ocean-going and harbor ships and learns about bridges, signals, light-houses and big industries at the water's edge.	1	400	Soc. St.	E	90.00	48	66
205.93	Exploring Art Systems _____ Film seeks to help and give a better understanding of modern art.	1	792	Art	A	110.00	62.5	67
205.95	Exploring by Satellite _____	3	1000	Sci.	J-A-V 72.2d	120.00	27.3	64
205.96	Exploring by Satellite (color) _____ Actual footage shows satellite construction, testing, launching, tracking and reception of data. Actual sound of countdown and launching. Animation shows basic science laws and knowledge obtained by satellites.	3	1000	Sci.	J-A-V 72.2d	240.00	27.3	64
205.98	Exploring Electromagnetic Energy (color) _____ An introduction to electromagnetic energy and to some of the ways we use it every day. The film explains that radio waves, infrared, visible light, ultraviolet, x-rays, and gamma rays are all members of the same family.	1½	515	Sci.	J	140.00	43	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
206	Exploring in Paint (color) Leads toward understanding of non-objective art and provides stimulus for creative work in this area.	1	407	Art	J-A-V	110.00	3	67
206.2	Exploring Space	2½	1000	Sci.	A	100.00	24.04	63
206.21	Exploring Space (color) ... Demonstrates the development and operation of the rocket, its physical principles, and significant advances.	2½	1000	Sci.	A	175.00	24.04	63
206.31	Exploring the Night Sky..... The film shows that the sun is a star and how the sun gets its heat from atomic energy. Shooting stars, observatories and how time is measured are shown.	1	384	Sci.	J	60.00	39	67
206.34	Exploring The Ocean	1	400	Sci.	3-6	60.00	21.4	66
206.35	Exploring The Ocean (color) Pictures ocean's floor, slopes and continental shelves. Investigates plants and animals and explains how all life in ocean depends on tiniest forms of plant life. Describes ocean's storehouse of minerals and part played by water cycle in depositing them. ANIMATION.	1	400	Sci.	3-6	110.00	21.4	66
206.4	Exploring Your Growth	1	400	Health Ed.	J	60.00	21.4	67
206.41	Exploring Your Growth (color) Overview of digestive and circulatory systems of a boy 12 to 14 years.	1	400	Health Ed.	J	110.00	21.4	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
206.43	Expression Through Dance How a dance is readied for production, and how motifs for a dance composition may be found, lead to the final production.	2	800	Health Ed.	A	100.00	24.04	65
206.48	Eye of The Beholder, The The theory that man sees largely what he wants to see is dramatized through an episode in the life of an artist. The artist is seen in the impressions of five different people who have observed his behavior and, for the "truth," the same episode is seen through his own eyes.	2½	925	T.T.	Adult	150.00**	76.3	64
206.5	Eyes and Their Care -----	1	386	Health Ed.	J-A-V	60.00	39	63
206.53	Eyes Bright (color) ----- Four children and their classmates learn about the care and protection of their eyes from the school nurse, classroom teacher, discussion and books from the school library.	1	400	Health	E	100.00	76.8	65
206.54	Eyes In Outer Space (color) ----- Factual presentation of the formation of a man made weather satellite. A history of mans contribution to weather forecasting and speculation as to how we will some day be able to control and forecast weather well in advance.	2½	1000	Sci. (II,4e)	7-	250.00***	28	65
206.55	Eyes—Their Structure and Care -----	1	400	Health Ed.	J-A-V	60.00	24.1	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
206.56	Eyes—Their Structure and Care (color) Role of optometrist and Ophthalmologist; diagrams show structure of eye.	1	400	Health Ed.	J-A-V	110.00	24.1	67
206.6	Fabricantes Mexicanos De Ollas (Spanish edition of Mexican Olla Makers (color) Tells how the Mayo Indians in central Mexico live, make ollas, and trade them for the necessities of life. This film stresses how primitive industry is still important.	1	337	F.L.	A-Ad	100.00	3	67
206.67	Face Of Red China A report on conditions inside Communist China, based chiefly on exclusive film photographed inside China in November and December, 1958.	5	1944	Soc. St.	A	225.00	62.5	65
206.68	Face of The Earth (color)	1	431	Sci.	E-J	120.00	39	64
206.685	Face Of The High Arctic, The	1¼	483	Sci.	J	75.00	39	65
206.686	Face Of The High Arctic, The (color) This film reveals the physical geography of the High Arctic Region, its seasonal changes, glacial movements, and natural resources.	1¼	491	Sci.	J	150.00	39	65
206.69	Factories, Mines and Waterways Follows a canal boat on its trip through German and French canals.	2	771	Soc. St.	E-J	100.00	89	63
206.694	Factory: The, How A Product Is Made	1¼	495	Soc. St.	E-J	70.00	43	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
206.695	Factory: The, How a Product Is Made (color) Illustrates the many steps involved in the manufacture of a typical factory product. It follows the manufacture of a toy from the initial idea through development, engineering, production, assembly, and final sale in a store.	1½	495	Soc. St.	E-J	135.00	43	66
206.711	Facts About Film (2nd Edition) Presents information designed to provide a thorough understanding of 1) what film is, physically, 2) what forms film may take, 3) what usages are made of films, 4) preventive care and maintenance of film materials, 5) repair of films, and 6) sources and causes of film damage.	1½	452	Tch.Tr.	A-V	135.00	57.8	65
206.712	Facts About Projection (2nd Edition) Following introduction of various users of film and a discussion about popular 16mm motion picture projectors, an animation sequence illustrates the two sections of the "typical" motion picture projector: the picture section and the sound section.	1½	602	Tch.Tr.	A-V	175.00	57.8	65
206.73	Fairness for Beginners	1	400	Guid.	E	60.00	24.1	63
206.74	Fairness for Beginners (color) Children in an elementary school learn that by sharing materials, taking turns at the drinking fountain, choosing fairly for games and respecting the rights of others, they make themselves and other people happier.	1	400	Guid.	E	110.00	24.1	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
206.742	Fake And Drive Slow motion and animation is used to clarify play patterns at Kansas State narrated by Coach Tex Winter, Fundamental drills on footwork, ball control, passing patterns and shooting.	2½	902	H.Ed.	J-A	125.00	61.13	67
206.745	Fall Brings Changes 3 & 4	1	400	Sci.	Gr. 2 3 & 4	60.00	21.4	67
206.746	Fall Brings Changes (color) This film compresses time and experience to show continuity in the changing adaptation of animals, plants and people.	1	400	Sci.	Gr. 2 3 & 4	110.00	21.4	67
206.748	Fall Of China Beginning in 1945 the film traces the history of civil war in China ending with the capture of Nanking, Shanghai and Canton by the Communists. Differing opinions are presented on why China fell.	2½	972	Soc. St.	A-V	135.00	62.5	67
206.75	Falling Bodies This film shows that all freely falling bodies fall with the same rate of speed. This film also explains how gravity causes bodies to fall. Many interesting experiments are depicted.	1	420	Sci.	J-A	55.00**	62.5	63
206.77	Famille Francaise Brunel, La (The French Family Brunel) The daily life of a 13 year old French girl and her family reveals a different way of life but the universally common human feelings.	2	610	Fr.	A-V	100.00	83.7	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
	Famille Martin, La Series							
206.8	Depart de Grandes Vacances Humorous sequences about the Martin family as they leave by automobile for a vacation in the country.	1	479	French	A	70.00	57.8	65
206.81	La Famille Martin The Martin family of five live in the suburbs of Paris. Father commutes to meet 17 year old daughter returning from England by plane.	2	720	French	A	120.00	57.8	65
206.82	Histoire de Poissons The Martin family catches, or buys, fish in preparation for a dinner to which le cure has been invited.	1	481	French	A	70.00	57.8	65
207	Family Affair In a series of interviews with the trained social worker in a family agency, the Coopers gradually come to understand themselves, their mates and their children better. New insights lead to a more satisfying life for all.	3	1130	Guid., T.T. Parent Ed.		150.00	57.8	66
207.3	Family Circles Following a discussion of the family as it used to be and as it exists today, the film presents several cases of children showing how their home life affects their school life. Emphasis is placed on the need for whole-hearted cooperation between home and school.	2½	1116	Tch. Tr. Parent Ed.		140.00	62.5	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
207.32	Family In Tokyo How typical middle class Japanese family lives, including some customs the same and some different from those in U.S. Shows what father, mother and two children do from school session through evening.	1½	561	Soc. St.	E	140.00**	29	67
207.35	Family Of Free China —	2	785	Soc. St.	E-J-A	120.00	3	66
207.351	Family Of Free China (color) Shows teen-age Chinese boy and his family living in Formosa. How traditional and modern methods are combined in farming, education, and industry.	2	785	Soc. St.	E-J-A	220.00	3	66
207.42	Family Of India	1½	432	Soc. St.	E-J-A	75.00	62.5	67
207.421	Family Of India (color)..... A documentary film story of the daily life of a typical Hindu family of India, as seen through the eyes of Ram Das, the head of the family.	1½	432	Soc. St.	E-J-A	155.00	62.5	67
207.5	Family Teamwork	1½	600	H. Eco.	E-J-A-V	130.00	48	64
208.02	Far Western States (2nd Ed.)	1	393	Soc. St.	E	60.00	39	66
208.03	Far Western States (2nd Ed.) (color) Survey of the geography, history, agriculture and natural resources of the Far West, and describes the growth and expansion of the region.	1	393	Soc. St.	E	120.00	39	66
208.035	Faraday's Laws	1½	558	Sci.	A-V CLC	95.00	62.5	67
208.036	Faraday's Laws (color) This film demonstrates, by quantitative experiment, Faraday's two electrochemical laws and at the same time the mechanism of electrolysis.	1½	558	Sci.	A-V CLC	190.00	62.5	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
208.04	Farewell to Childhood ——— An adolescent girl's moods and apparent inconsistencies bewilder and confuse her parents. A better relationship results when the parents show they are beginning to understand her point of view and the girl realizes that parents, too, need to be understood.	2	828	Guid., Teacher Tr.		130.00	57.8	66
208.06	Farm Animals (2nd Ed.)	1	376	Sci.-LA	E	60.00	39	63
208.07	Farm Animals (2nd Ed.) (color) ————— Shows how a farmer feed cows, horse, pigs, chickens and goat. Use of each animal is very briefly given.	1	376	Sci.-LA	E	120.00	39	63
208.1	Farm Babies and Their Mothers —————	1	365	Nat. St.	E	60.00	43	65
208.11	Farm Babies and Their Mothers (color) ————— Farm animals and their young are shown. Their names are given, feeding habits shown and sounds of each animal heard.	1	369	Nat. St.	E	110.00	43	65
208.2	Farmer, The —————	1¼	518	Soc. St.	E	75.00	39	65
208.21	Farmer, The (color) ————— Daily activities essential to the efficient operation of a modern farm. Film shows entire family sharing in the work and play on the farm.	1¼	518	Soc. St.	E	150.00	39	65
208.25	Farmer Don and The City	1	381	Soc. St.	E	60.00	43	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
208.26	Farmer Don and The City (color) _____ All of us depend upon the farmer to grow the food we eat. The farmer depends upon people in the city to supply him with many of the things he needs. The farmer sells his crop in the city and spends his money there. People in the city and on the farm help each other.	1	381	Soc. St.	E	110.00	43	65
208.3	Farmer of Austria _____	1½	600	Soc. St.	E-J	75.00	21.4	63
208.31	Farmer of Austria (color) _____ The life of an Austrian farm family living on the slopes of the Alps.	1½	600	Soc. St.	E-J	150.00	21.4	63
208.5	Farmers Make Hay _____	1	399	Soc. St.	E	60.00	5	66
208.51	Farmers Make Hay (color) _____ Shows the importance of hay as food for the farmer's livestock and the various steps in hay making including mowing, raking, stacking, baling, etc.	1	399	Soc. St.	E	110.00	5	66
208.55	Farming in Europe and Asia _____ Demonstrates how the people of these continents employ most advantageous farming methods dictated by the temperature, rainfall and soil conditions of their particular regions.	2	800	Soc. St.	6-9	110.00	89	64
208.6	Farming Takes Skill (color) _____ Shows the importance of good management on a highly mechanized farm. Scientific farming, rotation of crops, adequate drainage and good animal care are depicted.	1	400	Soc. St.	E	100.00	48	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
208.91	Farmyard Babies	1	400	Lang. Arts Soc. St.	E	60.00	24.1	63
208.92	Farmyard Babies (color)	1	400	Lang. Arts Soc. St.	E	110.00	24.1	63
209.5	Farmer Fisherman (Norway)	2	800	Soc. St.	E-J-A	110.00	89	64
209.52	Farmers of India	2	750	Soc. St.	E-J-A-V	110.00	89	65
209.55	Faroe Islands Family, A..... Depicts the hardships of life in a northern country. The occupations are shown, as the family pre- pares for winter — spin- ning, fishing, curing fish, shooting sea gulls for food, shearing sheep, etc.	1	419	Soc. St.		60.00	39	65
209.555	Fast Is Not A Ladybug	1	372	Math.	E-C-E	60.00	43	65
209.556	Fast Is Not A Ladybug (color)	1	372	Math.	E-C-E	110.00	43	65
	A film about the meaning of fast and slow. What does slow mean? Slow means it takes more time to go from here to there. But there is also a sub- jective way of thinking about fast and slow. Con- cept of relative speed is developed by iconographic techniques.							
209.57	Fathers Go Away To Work	1	393	Soc. St. Guid.	E	110.00**	29	65
	Three different fathers, an artist, a salesman and a construction worker are seen at their jobs and we learn how the work they do affects other families of the community.							
209.58	Federal Reserve System, The	2	811	Soc. St.	A	120.00	39	66
210.1	Fears of Children	2	1100	Tch. Tr.		150.00	57.8	63
210.3	Feeling of Hostility	3	1130	Parent. Ed.		135.00	62.5	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
210.4	Feeling of Rejection _____	2	756	Teach. Tr. Parent Ed.		115.00	62.5	64
210.41	Feeling Left Out _____	1½	500	Guid.	J-A-V	75.00	24.1	67
210.42	Feeling Left Out (color)____	1½	500	Guid.	J-A-V	137.50	24.1	67
210.5	Feelings of Depression _____ Dramatizes an actual case history of a man, tracing the development of a neurotic depression by examining a series of experiences in his life from infancy to adulthood. Restricted to use by competent discussion leaders.	2½	1080	Tch. Tr. Parent Ed.		140.00	62.5	64
211	Ferryboat _____	1	350	Soc. St.	E	50.00	3	64
211.1	Ferryboat (color) _____ Shows a large harbor and points out different kinds of work boats. Explains the special function of the ferryboat and the role of small and large ferryboats.	1	350	Soc. St.	E	100.00	3	64
211.5	Fiddle De Dee (color) —	1/3	138	Art	J-A-V	42.50	57.8	63
212	Field Trip To A Fish Hatchery _____	1	400	Soc. St.	E	60.00	24.1	66
212.1	Field Trip to A Fish Hatchery (color) _____	1	400	Soc. St.	E	110.00	24.1	66
212.5	Fifty Miles From Poona____ A study of the religious, familial, traditional and working aspects which contribute to Hindu life in India.	2	715	Soc. St.	E-J-A	90.00	64	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
216.2	Film That Was Lost, The After the motion picture industry was established, scientists realized that valuable facets had been recorded on film, but that film is perishable. As a result, the Museum of Modern Art Film Library was instituted to preserve the great films of the past.	1	400	Art	A-V	60.00***	39	66
216.5	Find the Information	1	400	Basic St. Skills	J-A-V	50.00	24.1	65
216.6	Find the Information (color)	1	400	Basic St. Skills	J-A-V	120.00	24.1	65
216.65	Finding Out About Heat (color) A camping trip serves to introduce a study of heat energy; how it is produced; the nature of various fuels; how heat moves, and how it is used in the home, in industry, and to produce electricity and to power atomic submarines.	1½	486	Sci.	E-J	135.00	89	66
216.7	Finding the Right Job	1	400	Guidance	J-A-V	60.00	24.1	65
216.8	Finding the Right Job (color)	1	400	Guidance	J-A-V	120.00	24.1	65
217	Finding Your Life Work	2	800	Guidance	J-V	110.00	61.8	64
218	Finland: Farmer-Woods men Demonstrates the resourcefulness of the Finnish people and their way of life in this glaciated, high altitude land of many lakes where the growing season is short and the soil for the most part, not highly productive.	2	720	Soc. St.	6-9	195.00	89	67
219	Fire	1	389	Sci.	E	60.00	39	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
219.1	Fire _____ Shows the conditions necessary for burning. Also depicts methods for putting out fires and constructing fire extinguishers.	1	420	Sci.	J-A-V	55.00**	62.5	63
219.4	Fire Exit Drill At Our School _____	1	400	Health Ed.	E	60.00	24.1	64
219.41	Fire Exit Drill At Our School (color) _____	1	400	Health Ed.	E	110.00	24.1	64
219.65	Fire Lookout _____ As a fire lookout is described, a fire warden and his family demonstrate good conservation practice.	1½	486	Soc. St. Safety	E-J	150.00	57.8	64
219.7	Fire! Patty Learns What To Do (color) _____	1½	600	Soc. St.	E-J-A-V	136.00	48	67
219.75	Fire Safety is Your Problem _____ Includes practical home fire safety problems with emergency as well as fire drill procedures.	1	400	Safety	E-J-A-V	50.00	62.5	63
219.77	Fire Science _____	1½	600	Sci.	J	90.00	21.4	66
219.771	Fire Science (color) _____ Introduction to chemistry of combustion. Visualizes molecular action of burning fuel as it releases energy in form of heat and light. Experiments explain concepts of fuel, oxidation kindling temperature and spontaneous combustion. ANIMATION.	1½	600	Sci.	J	165.00	21.4	66
219.8	Firehouse Dog _____	1	358	S.S.-L.A.	E	60.00	43	67
219.81	-Firehouse Dog (color) _____ Freckles, a dog, becomes a member of this firehouse. He observes the activities of the firemen and becomes an important worker.	1	358	S.S.-L.A.	E	110.00	43	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
220.1	Fireman, The (2nd Ed.)	1	381	Soc. St.	E	60.00	39	65
220.11	Fireman, The (2nd Ed.) (color) _____ Fireman in action. Modern fighting equipment in action shown in a fire-fighting sequence.	1	381	Soc. St.	E	120.00	39	65
220.5	First as A Child _____ Alexander O'Neill, an orthopedically handicapped boy, is helped to grow up uncrippled, through services provided by the Crippled Children's Clinic of the Health Center with the help of the Social Security Act. The work done by Public Health Nurse and Medical Social Worker is effectively illustrated.	2	787	T.T.-P.E.		100.00	57.8	66
221	First Aid On The Spot (3rd Ed.) _____ Features six common types of injuries or disabilities and the American Red Cross technique for handling each specified case.	1	388	Health Ed.	A-V	60.00	39	65
221.11	First Lessons _____ Under the guidance of their teacher, seven year olds learn the first lessons in understanding the reasons for behavior and methods of coping with it.	2	792	Guid.-Tchr. Tr.		120.00	57.8	65
221.3	First Flight of The Wright Brothers _____ T.V. program "You Are There." Program depicts scientists and other famous personages discussing the probability of flying a heavier than air plane.	2½	1000	Soc. St.	J-A-V	135.00	62.5	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
221.4	First Major Test of Penicillin, The The use of penicillin on an experimental basis is shown at a military hospital. The discovery of the drug is narrated in Fleming's laboratory. The problems of production are emphasized. "You Are There" series.	2½	1000	Bio. Hlth. Ed.	J-A-V	135.00	62.5	64
221.5	First Many Celled Animals-The Sponges	1½	590	Bio. Zoo.	A	90.00	39	67
221.51	First Many Celled Animals-The Sponges (color) Illustrates with distinctive photography the differences between the single celled organisms and the colony of several cell types that make up the sponges. Regeneration experiments.	1½	590	Bio. Zoo.	A	180.00	39	67
221.7	Fish and Their Characteristics	1	400	Sci.	E-J	60.00	24.1	67
221.71	Fish and Their Characteristics (color)..... Through underwater photography we are introduced to the characteristics of fish and shown how this group of vertebrates is fitted for its environment.	1	400	Sci.	E-J	110.00	24.1	67
221.9	Fish are Interesting	1	360	Sci.	E-J-A-V	60.00	43	65
221.91	Fish are Interesting (color) Example of various kinds of fish; distinction between bony fishes and shark-like fishes; bony fishes, soft-rayed and spiny-rayed.	1	370	Sci.	E-J-A-V	110.00	43	65
222.05	Fish Family, A	1	374	Sci.	3-6	45.00	62.9	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
222.06	Fish Family, A (color) ——— Views showing parts of the fish the functions of tail and fins. Explanation of the life cycle of the fish, egg-laying, care of eggs, and care of young fish.	1	374	Sci.	3-6	90.00	62.9	64
222.1	Fish Out of Water ———	1	400	Sci.	J	45.00	62.9	65
222.11	Fish Out of Water (color) ——— Animation, Photomicrography and time-lapse photography picture an unusual fish that lays its eggs on the sands of Southern California beaches.	1	400	Sci.	J	90.00	62.9	65
222.3	Fishermen, The ——— Shows the old and new methods of commercial fishing and packing. How fishermen of the Atlantic have adapted their methods to meet changing situations.	1½	600	Soc. St.	E-J	100.00**	57.8	65
222.4	Fisherman of Quintay ——— Describes the work of the Chilean Inspector of Fisheries and a United Nations Fisheries expert from the FAO who helped form the Quintay Cooperative for selling fish and through it improved conditions in the village.	1	400	Soc. St.	J-A	32.50	24.04	64
222.45	Fisherman's Boy, The ———	1	400	Lang. Art	E	60.00	24.1	63
222.46	Fisherman's Boy, The (color) ——— Danny learns how to go fishing.	1	400	Lang. Art	E	110.00	24.1	63
222.5	Fishing Arctic Style ———	1	435	Sci.	E	60.00	3	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
222.51	Fishing Arctic Style (color) Shows how fish are caught in the artic. Net fishing; how a fish wheel works; how fish is preserved; caviar, ice cream; storage of fish; ice fishing.	1	435	Sci.	E	110.00	3	66
222.8	Fitness Skills Play Better Deals with the skills involved in throwing a ball, catching a ball, kicking a ball, and batting a ball.	1	387	Health Ed.	E	50.00	62.5	63
223	Fitting and Scraping Small Bearings	2	752	Mach. Shop	V	41.59	71	67
223.5	Five Chinese Brothers, The	1	372	Lang. Art	E	50.00**	91.95	64
223.51	Five Chinese Brothers, The (color) An iconographic films using the pictures and text from the contemporary classic picture book of the same title, written by Bishop, Wiese's illustrations.	1	372	Lang. Art	E	100.00**	91.95	64
224.1	Five Colorful Birds (color)	1	400	Sci.	E	110.00	24.1	64
225	Flags on Duty	1	400	Soc. St.	E-J	90.00	48	64
225.5	Flannel Boards and How to Use Them (color) How to make and use flannel boards. Suggestions for use in each curriculum area and materials appropriate for use on flannel boards.	1½	600	T.T.	T.T.	150.00	3	63
226	Flatboatman of the Frontier	1	398	Soc. St.	E-J	60.00	39	65
226.3	Flight of the Sea Birds	1	377	Sci.	4-6	45.00	31	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
226.31	Flight of the Sea Birds (color)	1	377	Sci.	4-6	100.00	31	66
	Depicts the yearly migration of the gull, great white pelican, and cormorant to inland lakes to nest and raise their young. Complete life cycle. Shows predators.							
226.5	Flipper, The Seal	1	400	Soc. St. Sci.	E	60.00	24.1	63
226.51	Flipper, The Seal (color)	1	400	Soc. St. Sci.	E	110.00	24.1	63
227	Flow of Electricity	1	397	Sci.	E	60.00	62.5	67
227.8	Flower Arrangements I (color)	2	681	Floristry	V	220.00	57.8	66
227.81	Flower Arrangements II (color)	2	681	Floristry	V	220.00	57.8	66
	Various flower arrangements, using seasonal plants, constructed. Information concerning care and storage of flowers and foliage liberally inserted during the preparation of the arrangements. Fine close-ups of technical handling of flowers, containers, tools and other materials.		92					
228.1	Flowers at Work (color)	1	393	Sci.	J-A	120.00	39	67
	Time lapse photography illustrates the structure and function of flowers—pollination and fertilization of flowers are shown by animated illustrations.							
228.3	Fluffy The Ostrich	1	400	Lang. Art-Sci.	Prim.	60.00	24.1	67
228.31	Fluffy The Ostrich (color)	1	400	Lang. Art-Sci.	Prim.	110.00	24.1	67
	Fluffy, a young ostrich, becomes separated from parents. While searching for them he meets other animals.							

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
228.5	Flying A Kite (color)	½	244	Lang. Arts- Soc. St.	E	60.00	39	63
228.7	Folk Songs of America's History	1¼	500	Soc.St.-Mus. E-J		75.00	24.1	66
228.71	Folk Songs of America's History (color)	1¼	500	Soc.St.-Mus. E-J		137.50	24.1	66
	Film introduces and de- fines folk music, presents examples from important periods. Costumed drama- tizations provide histori- cal environment for the songs.							
229.1	Food and People	2¼	912	Soc. St.	A-V	135.00	39	67
	A description of the struggle to survive by solving the world's food problem.							
229.4	Food For Freddy	2	700	Health	4-9	75.00	85	66
229.41	Food For Freddy (color)	2	700	Health	4-9	160.00	85	66
	Teacher and children per- form an experiment to show effects of food and nutrition on mice. The method used to control the experiment and the effects of various foods are shown. A mother is shown preparing a well- rounded diet.							
229.5	Food for Paris Markets	2	750	Soc. St.	E-J-A-V	110.00	89	65
229.8	Food Getting Among Animals	1	461	Sci.	J	55.00	62.9	67
229.81	Food Getting Among Animals (color)	1	461	Sci.	J	110.00	62.9	67
	Describes the anteater, the rattlesnake, the goose- neck barnacle, the archer fish, and the chameleon, and their food habits, and their special equip- ment which is used in obtaining their food.							
230	Food Store	1	479	Soc. St.	E	75.00	39	67
231.1	Food That Builds Good Health	1	400	Health Ed.	E-J-A-V	60.00	24.1	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
231.11	Food That Builds Good Health(color)	1	400	Health Ed.	E-J-A-V	110.00	24.1	66
231.5	Football, Ball Handling In	1	336	Health Ed.	A-V	60.00	39	63
231.6	Football, Blocking In	1	364	Health Ed.	A-V	60.00	39	63
231.7	Football, Tackling In	1	348	Health Ed.	A-V	60.00	39	63
231.85	Foothold on Antarctica The Commonwealth Trans-Antarctic Expedi- tion, led by Dr. Vivian Fuchs, aims to cross An- tartica-2000 miles, half unknown. Film records journey to establish base camp with Sir Edmund Hillary.	2	756	Soc. St.	J-A-V	150.00	24.04	64
231.95	Forces Introduction to mechan- ics in general. Cavendish experiment shows grava- tational forces between small objects. Gravita- tional force is compared with electrical force, is a simple demonstration.	2	840	Phys.	A	120.00**	62.85	66
231.96	Forces	1½	506	Sci.	Gr. 8 Unit 3	75.00	39	67
231.961	Forces (color) Impact and its relation to force is clearly shown and explained and the fa- miliar magnet is shown as it is related to force.	1½	506	Sci.	Gr. 8 Unit 3	150.00	39	67
232	Forest and Conservation	1	400	Nat.	E	50.00	24.1	67
233	Forest and Conservation (color)	1	400	Nat.	E	100.00	24.1	67
233.1	Forest Babies (color) Many animal babies are shown in the forest in late spring. Included are the young of deer, birds, bears, porcupines, bad- gers, etc. Shows how the the young grow and learn so that they can take care of themselves at the end of the summer.	1	417	Sci.	K-4	115.00**	53.65	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
233.2	Forest Tent Caterpillar (color) A study of the tent caterpillar, its growth and effect on vegetation. How it is controlled by natural enemies and conditions of environment.	2	633	Sci.-Bio.	J-A-V	160.00**	64	63
233.3	Forest Ranger (color)	1	444	Soc. St.	E	120.00	39	64
233.33	Forests	1	370	Soc. St.	E	55.00	53	65
233.331	Forests (color) (The Primary Geography Series) Forests supply us with lumber for homes, furniture & paper; give us wildlife and recreation; store our water. The process of lumbering from "harvesting" to "cut-board" is shown.	1	370	Soc. St.	E	110.00	53	65
233.35	Forestry	2	800	Soc. St.	J-A-V	110.00	89	64
	Shows many ways how forests, one of the world's important natural resources are used throughout the world.							
233.4	Form (color) Character of an object is revealed through its form. Forms in nature and man made forms found among everyday objects.	¾	215	Art	E-J	60.00	39	65
233.45	Forms of Music: Instrumental	1½	600	Music	J-A-V	90.00	24.1	66
233.451	Forms of Music: Instrumental (color) Film visualizes most of major forms of instrumental music, using colorful animated drawings. Specially selected music by Bach, Haydn, Mozart, Beethoven, and other composers illustrate.	1½	600	Music	J-A-V	165.00	24.1	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
233.5	Forming With Rubber On The Hydraulic Press	1	400	Aviation	V	27.41	71	67
233.7	Formulas In Mathematics The use of a mathematical formula in determining the position of a light plane during a cross country flight. Explains the necessity for correct application of formulas.	1	350	Math.	E-J-A-V	120.00**	57.8	65
234	Forty Centuries The story of archeology's contribution to the understanding of Egyptian history and art. Deals with the objects recorded from the tombs and how they aided in the understanding of Egyptian culture, history, art and the deciphering of hieroglyphic writing.	1	450	Art Lang. Art	J-A-V	70.00	73.02	64
234.55	Forward Up Six	1	285	Health Ed.	E-J-A-V	50.00	57.3	67
234.56	Forward Up Six (color)	1	285	Health Ed.	E-J-A-V	100.00	57.3	67
234.6	Fossils Are Interesting	1	382	E. Sci.	E	60.00	43	67
234.61	Fossils are Interesting (color) Shows how fossils are formed, what they are and how they tell the story of time.	1	383	E. Sci.	E	110.00	43	67
234.8	Fossils: Clues to Prehistoric Times Shows how fossils are formed, where they are found and what they tell us about the development of the life on earth.	1	400	Sci.	J	60.00	24.1	67
234.81	Fossils; Clues to Prehistoric Times (color) The story of fossils, where they are found, how they were formed, and what they tell us about the development of life on earth.	1	400	Sci.	6	110.00	24.1	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
234.83	Fountain of Jabalia, The..... The story of the Palestine refugees in the Middle East, and what is being done for them by the United Nations Relief and Works Agency.	1½	600	Soc. Sci.	A	35.00	24.04	65
234.85	Four Centuries of Growing Pain Shows the rise of the British Empire geographically and politically and the origins of the British Commonwealth through four hundred years of history.	2½	1000	Soc. St.	A	100.00	62.5	64
234.87	Four Families Pt I & II..... Shows the difference in upbringing of a one-year-old rural child in each of the four countries: India, France, Japan & Canada is reflected in the typical national characteristics of each country.	5	2010	T.T.-Guid.		230.00	62.5	66
234.9	Four Minute Fever Traces the history of mile running, illustrating outstanding milers and their assault on the four minute mile.	1	310	Health Ed.	5-6	48.00	47	64
235	Frames Of Reference Demonstrates the distinction between an inertial & non-inertial frame of reference, & the appearance of fictitious forces in a non-inertial frame.	2½	1016	Sci.	A	150.00**	62.85	66
235.1	France and Its People	1¼	483	Soc. St.	E-J	75.00	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
235.11	France and Its People (color) Pictures the industries, occupations, opportunities, customs and cultural background of modern France, through the experiences of the Briand family.	1¼	483	Soc. St.	E-J	150.00	39	66
235.2	France Actuelle: Le Pays Et Ses Habitants France of today — from Normandy wheat fields to steel mills of Nancy; workers, farmers, fishermen are all here to enrich study of French language.	1	400	French	E-J-A-V	60.00	24.1	66
235.21	France: Background For Literature	1	400	Eng.-Fr.	J-A-V	60.00	24.1	65
235.22	France: Background For Literature (color)	1	400	Eng.-Fr.	J-A-V	120.00	24.1	65
235.23	France	1	380	Soc. St.	E-J	36.00	39	63
235.24	France (color)	1	380	Soc. St.	E-J	103.20	39	63
235.25	France — La Famille De Monsieur Rene, Perpignan (color) (French Language Sound (Track) Monsieur Rene, school administrator, and his family encourage an understanding of French family life and culture. They swim, picnic, watch folk dancing. Michele flies plane. Suzanne rides horseback.	1½	600	French	J-A-V	130.00	48	66
235.26	France: Molly Visits Her Paris Cousins (color) Gives an overview of the places of interest in Paris from a tourist's point of view. We see Place de l'Opera, Place Vendome, Notre Dame, Arc d'Triomphe, Montmartre, Louvre, Seine River, etc.	1¼	700	Soc. St.	J	139.00	48	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
235.265	Franck-Hertz Experiment The _____ A stream of electrons is accelerated through mercury vapor & it is shown that the kinetic energy of the electrons is transferred to the mercury atoms only in discrete packets of energy. The association of the quantum of energy with a line in the spectrum of mercury is established.	2½	896	Sci.	A	120.00**	62.85	67
235.27	Frank and His Dog (color)	½	213	Lang. Arts	E	60.00	39	63
235.28	Frank Tends the Garden (color _____)	½	236	Lang. Arts	E	60.00	39	63
235.3	Franklin, Benjamin _____	2	601	Soc. St.	J	120.00	39	65
235.5	Fred Meets A Bank _____	1	400	Math	A-V	50.00	24.1	64
235.6	Fred Meets A Bank (color)	1	400	Math	A-V	100.00	24.1	64
236.4	Free Fall and Projectile Motion _____ The behavior of freely falling bodies is explored from a dynamical point of view, leading to the proportionality of gravitational and inertial mass independence of perpendicular components of a motion, & the conclusion that Newton's Law is a vector relationship.	2½	1000	Sci.	A	150.00**	62.85	67
236.5	Free Horizons _____	2	640	Soc. St.	E-J	90.00	39	63
236.58	Freeway Driving _____ Illustrated how freeway (toll-way, expressway) driving differs from ordinary local driving. Fast driving rules are introduced, as well as long-trip car preparation.	1	380	Dr. Tr.	A-V	135.00	57.8	65
236.6	Freight Train _____	1	359	Soc. St.	E-J	55.25	5	64
236.61	Freight Train (color) _____	1	359	Soc. St.	E-J	100.25	5	64
236.62	Freight Train, The _____	1	400	Soc. St.	E	60.00	39	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
236.621	Freight Train, The (color) A modern freight train, how the train is made up, traveling on the freight, modern freight service.	1	400	Soc. St.	E	120.00	39	65
236.65	Freighter At Sea	1½	600	Soc. St.	E-J	75.40	1.11	66
236.66	Freighter At Sea (color)..... The operation and navigation of a ship at sea. There are wonderful interior views of different parts of the ship. The wheelhouse, crew room, radio room, mess halls, sleeping quarters, galley house, engine room, etc.	1½	600	Soc. St.	E-J	150.40	1.11	66
236.68	Freighter in Port	1½	500	Soc. St.	E	62.90	1.11	66
236.69	Freighter in Port (color) This film presents the modern ocean freighter in port. The activities include keeping the freighter in repair, safety drills and loading and unloading cargo.	1½	500	Soc. St.	E	125.40	1.11	66
236.7	Fremont, John C.	2	626	Soc. St.	E	120.00	39	66
237	French and Indian War.....	1	400	Soc. St.	J-A	60.00	24.1	65
237.1	French and Indian War (color)	1	400	Soc. St.	J-A	120.00	24.1	65
	Presents the economic and political events of the struggle between Britain & France in America which led to the end of the French Empire in the new world.							
238.1	French Canadians— St. Lawrence Lowlands— Quebec	2	730	Soc. St.	E-J	110.00	89	65
238.55	French Exploration in The New World	1	400	Soc. St.	J-A-V	60.00	24.1	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
238.56	French Exploration in The New World (color) This film shows the explorers who were responsible for the French explorations in the New World. Shows the discoveries of Varrazano, Cartier, Champlain, Marquette, Joliet and La Salle.	1	400	Soc. St.	J-A-V	110.00	24.1	66
238.57	French Family Brunel Shows daily life of a 13-year old French girl and her family. It reveals an interestingly different culture but a universally common human feeling.	1½	612	Soc. St.	6-9	97.50	62.5	66
238.58	French Family Brunel (French version)	1½	610	French	A	100.00	83.7	66
238.6	French For Beginners	1	400	French	J-A-V	55.00	61.8	65
238.7	French Influences in North America	1	400	Soc. St.	J	60.00	24.1	63
238.71	French Influences In North America (color) Evidences of French culture on our language, dress, architecture, religion and art.	1	400	Soc. St.	J	110.00	24.1	63
238.8	French Revolution, The	1½	600	Soc. St.	A-V	90.00	24.1	64
238.81	French Revolution, The (color) Through the eyes of a lawyer during the French Revolution the film depicts the issues, personalities and events which took place. It shows the fall of the monarchy and the establishment of the Republic.	1½	600	Soc. St.	A-V	165.00	24.1	64
238.9	Fresh Water Pond, The.....	1½	475	Sci.	E-J	75.00	39	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
238.91	Fresh Water Pond, The (color) _____ Examines the details of life habitat and of structure of many pond life forms, but maintains the theme of essential interdependence of all plants and animals in and around the natural pond.	1½	475	Sci.	E-J	150.00	39	67
239	Friction _____ It asks the question what is friction, on what does it depend, and other questions to do with friction.	1½	478	Sci.	Gr. 3-4	60.00	62.5	67
239.02	Friction _____	1	357	Sci.	E-J	55.00	53	63
239.05	Friction _____ The film indicates the nature of friction, its uses and applications to daily living.	1	420	Sci.	E-J-A	55.00**	62.5	63
239.07	Friction And Its Effects _____	1	400	Sci.	E-J	60.00	24.1	66
239.08	Friction And Its Effects (color) _____ Simple materials used to demonstrate effects of friction; resistance to movement, wear, heat. How friction aids us and also hinders us. How to reduce friction. Explanation of rolling friction.	1	400	Sci.	E-J	110.00	24.1	66
239.09	Friction: How It Helps And Hinders _____ Problems relating to the effects of friction and how it modifies many of our activities and devices are treated in this film.	1-1/3	486	Sci.	Gr. 4-6	135.00	89	67
239.1	Friendship Begins at Home	1½	600	Guid.	E-J	90.00	24.1	65
239.2	Friendship Begins at Home (color) _____	1½	600	Guid.	E-J	180.00	24.1	65
239.41	Frisky, The Calf _____	1	400	Lang. Art. Nat.	E	60.00	24.1	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
239.42	Frisky, The Calf (color) —	1	400	Lang. Art. Nat.	E	120.00	24.1	65
239.43	Frog, The (2nd Ed.) —	1	394	Sci.	J	60.00	39	63
239.44	Frog, The (2nd Ed.) (color) —	1	394	Sci.	J	120.00	39	63
	The life history of the frog is detailed, showing its food habits, something about its reproduction, including eggs, tadpole stage. The development of the tadpole to the adult stage is shown.							
239.445	Frog Anatomy —	1½	610	Bio.	A	75.00	57.3	65
239.446	Frog Anatomy (color) —	1½	610	Bio.	A	150.00	57.3	65
	Frog Anatomy covers the whole process of dissection of a frog. Each step is clearly recorded by the close-up camera and described completely by the narrator.							
239.447	Frog Went A-Courting —	2	430	Music Lang.Art.	E	60.00	91.95	67
239.448	Frog Went A-Courting (color) —	2	430	Music Lang.Art.	E	120.00	91.95	67
	Iconographic motion picture based on the book of the same title with Feodor Rojankovsky's Caldecott Award winning, illustrations. John Langstaff sings the well-known folk tune which is repeated with subtitles for audience participation.							

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
239.45	Frog's Life, A A study of the life cycle of the frog. The film opens with the picture of a group of English country children collecting frogs' eggs. A series of photographs reinforced by pupil made sketches demonstrates the development from tadpole to frog.	1	400	Science	E-J	60.00	24.1	66
239.47	Frogs and Toads	1	400	E.Sci.	E	60.00	62.5	67
239.48	Frogs and Toads (color)..... Shows the different kinds of frogs and toads in their natural environment and some of the things they eat, and by which they are eaten. The development from eggs through tadpoles to frogs is shown in stages.	1	400	E.Sci.	E	125.00	62.5	67
239.51	From Flax To Linen (color) The Flax Farmers of Ireland . . . The complete story of Linen from its beginning. An overview of Ireland.	1	360	Soc. St.	E-J-A-V	100.00	1.8	66
239.52	From Kaiser To Fuehrer..... Story of the ill-fated Weimar Republic, set up by forward-looking Germans after W.W.I. and went to its death in 1933 by a combination of depression, inexperience of the Germans at democracy and the doubts of many of its adherents.	2½	936			135.00	62.5	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
239.53	From Precinct To President Key points of four days wide - ranging conversation on a variety of significant subjects, between former president Harry S. Truman and Edward R. Murrow.	5	1944	Soc. St.	A	225.00	62.5	65
239.54	From Seed To Grain This film shows by means of the time-lapse camera, the dynamics of seed germination and plant growth. We see the entire process beginning with plowing of soil to the ending of the harvest.	1	324	Sci.	5-8	60.00	62.5	66
239.55	From Seeds To Plants	1	358	Sci.	K-3	55.00	53	63
239.56	From Seeds To Plants (color) Film shows boy preparing and planting a row of corn. To see how the seeds develop he examines a bean indoors and sets up a wet towel with the seeds to watch them develop under the required conditions; food, warmth and moisture.	1	358	Sci.	K-3	110.00	53	63
239.6	Frost, Robert Four time winner of the Pulitzer Prize for poetry discusses his life and work with Bela Kornitzer, Hungarian-born author, at his farm house in Vermont.	2½	1050	Lit.	J-A-V	150.00	39	65
239.61	Frustrating Fours And Fascinating Fives	2	800	Parent Ed. Tch.Tr.		120.20	62.5	63
239.62	Frustrating Fours And Fascinating Fives (color)	2	800	Tch. Tr. Parent Ed.		195.20	62.5	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
240.1	Fuels—Their Nature and Use _____ The various types of fuels, from wood through atomic, are discussed as to their nature and use.	1	390	Sci.	J	60.00	39	64
240.3	Fun At The Zoo _____ Shows young children enjoying a show of trained animals at Zoo in St. Louis.	1½	651	Lang.Art	E	80.00	89	63
240.51	Fun of Making Friends_____	1	400	Guidance	E	60.00	24.1	66
240.52	Fun of Making Friends (color) _____	1	400	Guidance	E	110.00	24.1	66
240.81	Fun That Builds Good Health _____	1	400	Guidance Parent Gr.	E	60.00	24.1	65
240.82	Fun That Builds Good Health (color) _____	1	400	Guidance Parent Gr.	E	120.00	24.1	65
240.88	Functions of The Body_____ Describes systems of the body through animation.	1½	535	Sci. Hlth. Ed.	A-V	65.00	89	63
240.9	Fundamentals of Acoustics	1	381	Science	J-A-V	60.00	39	66
240.95	Fundamentals Of Badminton _____ The film covers the basic fundamentals of badminton — the serve, grip, clear, drop shot, smash, drive, round the head shot and footwork. Fundamentals are repeated and demonstrated in slow motion and regular speed. Demonstrates the fundamentals of some of the outstanding and top ranked players in the U.S. today.	1	404	Health	J-A-V	60.00	1.118	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
241.5	Fundamentals of Diving (color) Demonstrates the first simple exercises for learning water entry and body control; practice bouncing and familiarization with 1-meter springboard.	1	400	Health	E-J-A-V	120.00	89	64
242	-Fundamentals of Filing	1½	450	Machine Shop	V	29.89	71	67
242.2	Fundamentals of Public Speaking	1	400	Sp. Imp.	A-V	60.00	24.1	66
242.21	Fundamentals of Public Speaking (color)	1	400	Sp. Imp.	A-V	110.00	24.1	66
242.5	Fundamentals Of Running (color) Mal Whitfield, great Olympic champion, gives demonstrations to group of children on such running fundamentals as breathing, leg and arm actions, posture wind sprints and starting. Mostly shown in slow motion.	1¼	460	Health	Jr. & Sr.	150.00	21.5	67
242.7	Fundamentals Of The Nervous System	1½	579	Sci.	J-A-V	75.00	39	65
242.71	Fundamentals Of The Nervous System (color) Traces the fundamentals of the nervous system, showing the structure of the brain and following the pathways through the central and peripheral systems.	1½	579	Sci.	J-A-V	150.00	39	65
243	Fundamentals of Track and Field Features actual demonstrations by Bob Mathais, twice Olympic Decathlon Champion. Competitive and practice performances plus repeated demonstration of good form in every basic track and field event.	2¼	904	Health Ed.	A-V	135.00	39	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
243.3	Fundamentals Of Volleyball (rev.) The film covers the basic fundamentals of volleyball — serving, receiving, setting, spiking and blocking. Each fundamental is shown in regular speed, and repeated in slow motion at least six times. The fundamentals are demonstrated by United States Volleyball Association All American players.	1	326	T.T. Health	J-A-V	50.00	1.118	67
243.45	Fungi	1½	550	Bio.	A-V	90.00	39	66
243.451	Fungi (color) The fungi are simple plants that lack chlorophyll and so take their food from other organisms. The saprophytes, for example, absorb their food from dead organisms; the parasites, from living organisms. This film acquaints us with both of these groups of fungi.	1½	550	Bio.	A-V	180.00	39	66
243.5	Fur Trappers Westward	3	1118	Soc. St.	E-J	170.35	5	64
243.51	Fur Trappers Westward (color)	3	1118	Soc. St.	E-J	300.35	5	64
244.6	Fur Trapper of the North	1	401	Soc. St.	E	60.00	39	66
244.8	Furniture Craftsmen The role of the designer and skilled craftsmen in making custom-built furniture; pattern making, laying out, hand sawing, power planing, etc.	1	402	Arts & Crafts	A-V	60.00	39	66
245.3	Gadfly, The The story of Socrates.	3	1000	Soc. St.	A-V	135.00	20.5	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
245.7	Galileo's Laws _____ Historical development of laws of falling bodies. Derivation of law of acceleration based on a good demonstration utilizing slow motion and inclined plane.	1/2	212	Phy. Sci.	J-A-V	30.00	39	65
245.72	El Gallito Que Hace Salir El Sol _____ Simple, clearly spoken, Spanish and colorful animated cartoons tell story of the little rooster who discovers that his crowing does not really make sun rise.	1	400	F.L.	E-J-A	60.00	24.1	67
245.73	Ganges River _____	1 1/2	576	Soc. St.	A-V	90.00	62.5	67
245.74	Ganges River (color) _____ This film traces the route and history of this famous river from its source. A panoramic film, it relates the Ganges to many aspects of life in India today.	1 1/2	576	Soc. St.	A-V	175.00	62.5	67
245.78	Garden Of Gujerat, The _____ In the Kaira District of India a modern milk plant constructed with cooperation of UNICEF, FAO, Governments of India and New Zealand (under Colombo Plan) scores of towns are benefiting.	1 1/2	590	Soc. St.	J-A	40.00	88.95	65
245.8	Garden Plants and How They Grow _____	1	400	Sci.	E	60.00	24.1	64
245.81	Garden Plants and How They Grow (color) _____	1	400	Sci.	E	110.00	24.1	64
247.55	Gasoline Age: Hist. of Trans of U.S. _____	1 1/2	500	Soc. St. Sci.	E	75.00	39	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
247.56	Gasoline Age: Hist. of Trans of U.S. (color) Rapid changes which have taken place in the U.S. since the coming of the auto. Describes growth and decline of railroads expansion of highways and air transportation.	1½	500	Soc. St. Sci.	E	150.00	39	64
247.6	Gauguin, Paul	2	475	Art	A	125.00	73.02	64
247.62	General Marshall Story of General Marshall, film focuses on the human being behind the legend that has grown up around the self-less public servant who is considered to be the greatest American of modern times.	1	972	Am. Hist.	J-A	145.00	62.5	67
247.64	Genetic Investigations	1	452	Sci.	J-A-Ad	50.00	57.3	67
247.641	Genetic Investigations (color) Presents typical steps and procedures involved in controlled - breeding experiments. Shows results of some genetic crosses and introduces three areas of genetic research.	1	452	Sci.	J-A-Ad	100.00	57.3	67
247.65	Genetics: Techniques Handling Drosophila Displays fundamental equipment needed and shows techniques of etherizing, sorting, re-etherizing, and transferring stocks of flies.	¼	115	Sci.	CLC A	40.00	87.5	67
247.67	La Gente Del Peru Shows the people of the coastal desert, the people of the highland plains and the people of the Amazonic jungle.	1	385	F.L.	A	125.00	57.8	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
247.7	Geografia De Sud America: Los Cinco Paises Del Norte Concepts related to land, climate, and major resources are emphasized on the gateway countries of South America: Columbia, Venezuela, and the three Guianas.	1	400	Span.	E-J-A-V	60.00	24.1	66
247.8	Geography of Australia	1	350	Soc. St.	E-J-A-V	60.00	62.5	67
247.83	Geography of South America: Argentina, Paraguay, Uruguay	1	400	Soc. St.	E-J	60.00	24.1	67
247.831	Geography of South America: Argentina, Paraguay, Uruguay (color) The geographic factors influencing the economy and life of Argentina, Paraguay, and Uruguay are shown, and we become acquainted with their achievements and problems.	1	400	Soc. St.	E-J	110.00	24.1	67
247.832	Geography of South America: Brazil	1½	500	Soc. St.	E-J	75.00	24.1	67
247.833	Geography of South America: Brazil (color) We see impenetrable jungle, fertile farmlands, gigantic plantations, rich mineral resources, thriving industry, and big cities, including beautiful Brasilia, new capital of Brazil.	1½	500	Soc. St.	E-J	137.50	24.1	67
247.834	Geography of South America The Continent	1½	500	Soc. St.	E-J	75.00	24.1	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
247.835	Geography of South America: The Continent (color) Film acquaints us with main geographical features of South America: The Andes, the Guiana and Brazilian highlands; and the Orinoco, Amazon, and Plata-Parana river basins.	1½	500	Soc. St.	E-J	137.50	24.1	67
247.836	Geography of South America: Countries Of The Andes	1	400	Soc. St.	E-J	60.00	24.1	67
247.837	Geography of South America: Countries Of The Andes (color) The main topographical regions are described in relationship to the resources and cultural development of these Andean nations.	1	400	Soc. St.	E-J	110.00	24.1	67
247.85	Geography Of South America: Five Northern Countries	1	398	Soc. St.	6-9	60.00	24.1	65
247.86	Geography Of South America: Five Northern Countries (color) The economic concepts related to land, climate, and major resources are emphasized in this film on the gateway countries of South America — Columbia, Venezuela, and the three Guianas.	1	398	Soc. St.	6-9	120.00	24.1	65
247.9	Geography of the North Central States	1½	500	Soc. St.	E-J	75.00	24.1	66
247.91	Geography of the North Central States (color) Shows region as source of foods, raw materials and manufactured goods. Stresses importance of transportation.	1½	500	Soc. St.	E-J	137.50	24.1	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
247.95	Geography of the Pacific States	1	400	Soc. St.	E	60.00	24.1	67
247.96	Geography of the Pacific States (color) An overview of the geography of the Pacific States; climate, growth of cities, industries, map study, etc.	1	400	Soc. St.	E	110.00	24.1	67
248.01	Geography of The Rocky Mt. States	1	400	Soc. St.	E-J	60.00	24.1	67
248.02	Geography of The Rocky Mt. States (color)	1	400	Soc. St.	E-J	110.00	24.1	67
248.1	Geography of New England	1	400	Soc. St.	A	60.00	24.1	66
248.11	Geography of New England (color)	1	400	Soc. St.	A	110.00	24.1	66
248.12	Geography of The Southwestern States	1	400	Soc. St.	E-J	60.00	24.1	67
248.13	Geography of The Southwestern States (color)	1	400	Soc. St.	E-J	110.00	24.1	67
248.14	Geography of Southern States	1	400	Soc. St.	E-J-A-V	60.00	24.1	63
248.15	Geography of Middle Atlantic States	1	400	Soc. St.	E-J	60.00	24.1	64
248.16	Geography of Middle Atlantic States (color)	1	400	Soc. St.	E-J	110.00	24.1	64
248.17	Geography of U.S.— An Introduction	1½	500	Soc. St.	E-J	75.00	24.1	64
248.18	Geography of The U.S.— An Introduction (color) An overview of the geographical and human resources of the United States. From the great variety of landforms, resources, climatic regions, crop belts, has come a strong and productive country.	1½	500	Soc. St.	E-J	137.50	24.1	64
248.2	Geography of Your Community	1	400	Soc. St.	E	60.00	24.1	64
248.21	Geography of Your Community (color)	1	400	Soc. St.	E	110.00	24.1	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
248.9	Geological Work Of Ice (2nd Edition)	1	400	Sci.	A	60.00	39	66
248.91	Geological Work Of Ice (2nd Edition) (color) Illustrates work of glaciers; shows different types of glaciers and formations; explains significance and extent of past ice ages.	1	400	Sci.	A	120.00	39	66
249.1	George's New Suit	1	400	Soc. St.	E	60.00	24.1	65
249.11	George's New Suit (color) George receives a new suit, tie and shirt. He finds out how each is made from different material as wool, nylon, rayon, cotton, leather.	1	400	Soc. St.	E	120.00	24.1	65
249.3	Georgie	1	220	Lang.Art	E	45.00**	91.95	67
249.31	Georgie (color)	1	220	Lang.Art	E	90.00**	91.95	67
	Concerning a ghost and his need for finding a house to haunt.							
249.4	Germ Theory, The	3	1080	Sci.	A	150.00	62.5	66
249.41	Germ Theory, The (color) Represents a wide coverage of micro-biology with historical development showing work of Pasteur, Redi, Koch, etc.	3	1080	Sci.	A	300.00	62.5	66
				(Basic Collection)				
249.7	Germany: A Family of The Industrial Ruhr	1½	576	Soc. St.	E-J-A	90.00	62.5	64
	A photographic essay on the daily life of the Muller family in the German city of Essen.							
249.75	Germany: Feudal States To Unification	1½	500	Soc. St.	J-A	75.00	24.1	65
249.76	Germany: Feudal States To Unification (color) Traces Prussia's growth in the 19th century, shows how other German states were brought under its control and how, following Bismark's policy of "blood and iron," a strong unified German nation was established.	1½	500	Soc. St.	J-A	150.00	24.1	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
249.8	Germany-Key to Europe A review of the situation in Germany since 1945. The development of East vs. West Germany as influenced by the Soviet policy. The final acceptance of Western Germany as a democratic nation and a member of the family of Western Europe and NATO.	2	770	Soc. St.	A-V	80.00**	64	63
249.85	Germany-People of The Industrial Belt	1½	584	Soc. St.	J-A	90.00	39	63
249.86	Germany-People of The Industrial Belt (color)..... The story of the people of postwar Western Germany. It covers the Alpine region with its small farms and craftsman, the plains of the north and west including the areas of heavy industrialization.	1½	584	Soc. St.	J-A	180.00	39	63
249.9	Germany-The Southern Uplands Shows the "renaissance" of West Germany since World War II. Synonomously, it depicts a culture via castles and fortresses showing the simplicity in villages in contrast to the modern industrial areas.	2	720	Soc. St.	6-9	195.00	89	67
250	Getting A Job Getting a job through various means-non-profit-employment services, want ads commercial agencies, leads from friends, personal application and civil service examinations.	1½	568	Guid.	A-V	90.00	39	65
250.1	Getting Along With Parents	1½	555	Guid.		75.00	39	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
250.11	Getting Along With Parents (color) The film presents some of the reasons for differences in point of view between parents and children (teen-agers) and the need for understanding and compromise on both sides.	1½	555	Guid.		150.00	39	65
251.01	Getting the Facts	1	410	Soc. St. L.Arts	E-J-A-V	60.00	39	64
251.05	Getting What You're After This film invites discussion of whether in business competition one's standards of fair play should be lowered. The question revolves around two girls who seek the same job.	½	216	Guid.	A-V	45.00	62.5	67
251.1	Getting Yourself Across A speaker's personality has a marked impact on the audience. Speech class lessons can help a speaker to develop a desirable personality.	2	800	Speech	A-V	115.20	62.5	63
251.6	Gift of The Magi After a brief introduction discussing O. Henry and referring to several of his works, the film presents a dramatization of "The Gift of the Magi."	2	800	English	J-A-V	60.00***	87	57
251.7	Gift To Grow On, A (color) Film shows malaria eradication and child care in action in Mexico and programs effect on spirit of people. Shows what town does on own after UNICEF shows them the way.	1	490	Soc. St.	6-12	55.00	88.95	65
255.2	Glen Wakes Up	1	375	Soc. St.	E	55.00	62.5	65
255.4	Global Concepts In Maps	1	400	Soc. St.	E-J-A-V	60.00	24.1	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
255.5	Global Concepts In Maps (color) _____	1	400	Soc. St.	E-J-A-V	110.00	24.1	63
255.6	Global Struggle For Food Film is a progress report on efforts to stave off the threatening crisis in world food supply—to find new ways of feeding the earth's swelling population.	3	1080	Soc. St.	A-V	135.00	62.5	67
256.5	Goats _____	1	370	Soc. St.	E	55.00**	72.15	64
256.51	Goats (color) _____ Designed to inform city-bred primary pupils about farm animals; shows goats from birth through nursing period weaning & growth; adult does, milking; use of goats' milk for human babies.	1	370	Soc. St.	E	100.00**	72.15	64
256.8	Goering _____ A study of the man who started out as Hitler's showpiece and ended as his scapegoat.	2½	936	Soc. St.	A	135.00	62.5	66
257.1	Going Steady _____	1	400	Guid.	J-A	60.00	24.1	64
257.11	Going Steady (color) _____	1	400	Guid.	J-A	110.00	24.1	64
257.55	Gold Rush Days _____	1½	500	Soc. St.	E-J	75.00	24.1	64
257.56	Gold Rush Days (color) _____ Story of a young man's journey from his home in the East to participate in the California Gold Rush. Means of transportation of that time are used—squared rigged ship, railroad, stage coach, wagon train, etc. A reconstructed Western town is shown. Maps and charts are included.	1½	500	Soc. St.	E-J	137.50	24.1	64
257.57	Gold Tooth (color) The _____ When Mr. Bear had a toothache, everyone in the forest had their own remedy, which only made matters worse.	1	211	Lang.Art	E	48.50	85	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
257.6	Golden Gate June 1955 celebration of the writing of the U. N. Charter at San Francisco. Sixty delegates participate in the tenth birthday. By giving excerpts of each of the major participants the purposes of the United Nations Organization is developed.	1	400	Soc. St.		32.50	24.04	64
257.7	Golden Grains	1½	536	Soc. St.	5-9	70.00**	88.7	64
257.71	Golden Grains (color) Wheat production is followed from its initial steps until the flour from the wheat is utilized in a cake. Here we see an example of the well-to-do family farm as it exists today in the United States.	1½	536	Soc. St.	5-9	125.00**	88.7	64
257.9	Goldfinch Family (color)..... The life cycle of the goldfinch family showing the birds, their eating habits, nest building, eggs and young, how parents feed the young, and growth of young to adulthood.	¾	320	Sci.	E-J	90.00	39	67
257.95	Goldilocks and The 3 Bears	1	400	Lang.Art	E	60.00	24.1	54
257.96	Goldilocks and The 3 Bears (color) The story of Goldilocks and the three bears is narrated and enacted by three real bears and a little girl. The film contains suggestions for creative activities and oral expression which might follow the showing of the film.	1	400	Lang.Art	E	110.00	24.1	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
258.05	Good Earth, The _____ An adaptation of the great motion picture production of Pearl S. Buck's Pulitzer Prize novel. Contrasting facets of family life, love, struggle, and Oriental convention in poverty-ridden China.	4	1500	Lang.Art	A-V	240.00***	39	66
258.1	Good Eating Habits _____	1	400	Health Ed.	E	60.00	24.1	63
258.11	Good Eating Habits (color) _____	1	400	Health Ed.	E	110.00	24.1	63
258.15	Good Grooming For Girls _____	1	400	Health Teach.	J-A	60.00	24.1	66
258.16	Good Grooming For Girls (color) _____ Preparation for grooming necessary. Routine must be followed. Need for posture, diet and rest.	1	400	Health Teach.	J-A	110.00	24.1	66
258.18	Good Health Practices #1 (color) _____ To maintain good health and enjoy one's surroundings, basic rules must be followed. These involve eating practices, toilet practices, cleanliness, rest and sleep. Film shows two youngsters having good times.	1	360	Health	E	100.00	76.8	66
259.1	Good Loser, The _____	1½	450	Guid.	A-V	80.00	62.5	64
260.07	Good Sportsmanship _____	1	400	Guidance	E-J-A-V	60.00	24.1	65
260.08	Good Sportsmanship (color) _____	1	400	Guidance	E-J-A-V	120.00	24.1	65
260.2	Good Table Manners _____	1	400	Guidance	E-J-A-V	60.00	24.1	63
260.21	Good Table Manners (color) _____	1	400	Guidance	E-J-A-V	110.00	24.1	63
260.31	Gossip, The _____ Shows a high school situation in which gossip, rumors and failure to check facts lead to distressing misunderstandings among friends. Designed to stimulate thought and discussions.	1½	504	Guid.	J-A-V	80.00	62.5	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
260.33	Grandeur Of Nature, The..... Two wonderlands of nature; Yellowstone National Park, and California's Yosemite National Park.	1	290	Soc. St.	E-J	40.00	72.3	65
260.35	Grandmother Makes Bread	1	400	Soc. St.	E	50.00	3	63
260.36	Grandmother Makes Bread (color) Shows process of baking bread.	1	400	Soc. St.	E	100.00	3	63
260.38	Grandpa Changes The World The story of Andrew Hamilton and the trial of John Peter Zenger.	3	1000	Soc. St.	A-V	135.00	20.5	63
260.4	Grapevine Twist	1	390	Health Ed.	E-J-A	50.00	57.3	67
260.41	Grapevine Twist (color)..... Demonstration of square dance.	1	390	Health Ed.	E-J-A	100.00	57.3	67
260.5	Graphic Elements In Landscape This is a film on seeing ; the special sort that takes place when a painter looks at his subject. Animation and live action are combined to enable the viewer to discover with the artist the graphic elements in the scene.	1	360	Art	A	100.00	1.12	66
260.58	Grass Blade Jungle (color) 1 Encourages the observation and understanding of the small animal world. Extreme close-ups of spiders, sowbugs, millipede, centipedes- show their particular habits.	1	400	Sci.	Gr.7 Unit I Gr. 8 Unit II	120.00	3	67
260.71	Gravity	1	400	Science	J-A-V	60.00	24.1	66
260.72	Gravity (color)	1	400	Science	J-A-V	110.00	24.1	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
260.74	Gravity and Center of Gravity A series of stunts using the center of gravity principle; all are simple and can be done using home equipment.	1	420	Sci.	E-J-A-V	55.00**	62.5	63
260.8	Gray Gull The Hunter Depicts the struggle for existence among the bird life on a rock Swedish island; the rocky ledges on which the birds live, laying eggs, the raids of the gray gull and the havoc it creates; teaching the young to fly.	1½	600	Sci., Nat.	E-J	90.00	39	66
261.1	Gray Squirrel (Second Edition) Follows daily activities of a family of squirrels from spring to midwinter.	1	374	Lang.Art. Sci.	K-6	60.00	39	67
261.11	Gray Squirrel (Second Edition) (color Follows daily activities of a family of squirrels from spring to midwinter.	1	374	Lang.Art. Sci.	K-6	120.00	39	67
261.5	Great Adventure, The Two Swedish boys, ten and six years old, explore the wild outdoors, observe the moods of seasons and animals, and learn the lessons of nature.	7	2800	Sci. M.P.A.	E-J-A-V	150.00	24.04	67
261.6	Great Expectations A school edition of Dickens's masterpiece in which Henry Hull plays the role of Magwitch.	4	1600	Lang. Arts	A-V	120.00***	87	67
262	Great Holiday Massacre..... Safety experts on the causes of auto accidents and efforts being made to reduce the accident rate on American highways.	1	390	Driver Educ.	A-Ad	60.00	20.5	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
262.12	Great Lakes—St. Lawrence Lowlands Geologic, agricultural and industrial development of the Great Lakes and St. Lawrence area.	2	832	Soc. St.	J-A	80.00	64	64
262.13	Great Plains	2	834	Soc. St.	J-A	80.00	64	64
262.14	Great Plains (color) Tells of the early Scottish settlers who came to the Great Plains of Canada. They developed farming, cattle raising, grain growing and the oil industry.	2	834	Soc. St.	J-A	160.00	64	64
262.142	Great River of the West—The Columbia Two main sections characterize the Film: History in the first half, Physical Geography in the last. Photographed along the 1210 miles of its length from source to mouth.	2	800	Soc. St.	CLC E-J	250.00	63.5	67
262.143	Greatest Treasure, The Discusses the tremendous value of water in California, how this "treasure is sent by the sea, influenced by weather and topography, and finally distributed throughout the area in natural processes.	1	360	Soc. St.	7th Unit 1, 2 J-A-V	100.00	76.8	67
262.145	Greece: The Land and the People	1	400	Soc. St.	6-9	60.00	24.1	65
262.146	Greece: The Land and the People (color) Reviewing some of the historic problems resulting from poor land, this is basically a picture of Greece today, depicting the country, the people, and the progress being made in conservation, agriculture, transportation and industry.	1	400	Soc. St.	6-9	120.00	24.1	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
263.47	Greenland's New Life Shows the physical features of Greenland, its new importance in the modern world, the changing life of the Greenlanders.	1	380	Soc. St.	E-J	110.00	5	66
263.5	Gregor Piatigorsky	2½	962	Instr. Music	A	200.00**	62.8	64
263.51	Grievance This film illustrates the orderly processing of a grievance through several stages of negotiation between union and management.	3	1080	Soc. St.	A-V	155.00	62.5	67
263.53	Grinding and Taper	1¾	696	Machine Shop	V	42.94	71	67
264	Ground Water	1	388	Earth Sci.	A	60.00	39	64
265.15	Growing Up (Pre-adolescence)	1	400	Health	E	60.00	24.1	64
265.16	Growing Up (Pre-adolescence) (color)..... Animation and silhouette photography help to show that growing up is an uneven process which differs between boys and girls, varying with individuals and age.	1	400	Health	E	110.00	24.1	64
265.18	Growth of Flowers (new)	1	400	Sci.	E-J-A	60.00	24.1	65
265.19	Growth of the Flowers (new) (color) Shows through time-lapse photography the wonders of flowering plant growth.	1	400	Sci.	E-J-A	120.00	24.1	65
265.2	Growth of Seeds	1½	483	Sci.	J-A	75.00	39	63
265.21	Growth of Seeds (color)..... This shows the importance of seeds to man; the function of the seeds in the reproductive process; the structure and function of the parts of the seeds and the conditions necessary for germination. Time lapse photography is used throughout.	1½	483	Sci.	J-A	150.00	39	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
265.3	Guard Your Heart	3	1027	Health Ed.	A-V	120.00**	15	67
265.4	Guardian of Our Country's Health (color)	1½	600	Soc. St.	E	130.00	48	66
	The work of the quarantine stations of the U.S. Public Health Service.							
265.62	Guatemala	1½	611	Soc. St.	E-J-A	90.00	39	67
265.621	Guatemala (color)	1½	611	Soc. St.	E-J-A	180.00	39	67
	Thomas Morales, by his work, customs and loyalties, is closely linked to the Indian civilization of centuries before. From Juan Perez, we learn of an entirely different world, that of a plantation.							
265.7	Guatemala, Land of Looms (color)	3	1070	Art Appr Soc. St.	E-J-A-V	250.00	1.8	67
265.8	Guatemala Story	2	800	Soc. St.	E-J	98.00	63	63
265.81	Guatemala Story (color)	2	800	Soc. St.	E-J	195.00	63	63
	Presents overview of Guatemala — geographic factors, people, homes, religion, industries, schools, etc.							
266.1	Guided Bend Test, The	1½	625	Welding	V	39.34	71	67
266.15	Guiding The Growth of Children	1½	648	T.T.	E	110.00	62.5	67
	Through personal experiences a 5th grade teacher shows that guiding the growth of the student as an individual is the most important part of the teacher's job.							
266.7	Gypsy Dance	2	722	Soc. St.	J-A-Ad	90.00	7.2	67
266.71	Gypsy Dance (color)	2	722	Soc. St.	J-A-Ad	200.00	7.2	67
	Authentic dances traditionally performed with romantic theatrics but not without humor. The lively gypsy music, making the blood tingle, adds realism to the fine solo and group performance.							

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
266.8	Gypsy In The Trees (color) Introduction of the gypsy moth in the U.S. and how it developed into a national menace. Eradication programs, particularly, aerial spraying. Part animation.	2	800	Sci.	J-A-V C-L-C	200.00	76.8	66
267	Habit Patterns _____ Barbara, a girl who is never prepared, never ready, never on time, is contrasted with Helen, a girl who has learned to plan her tomorrows the day before.	1½	540	Guid.	J-A-V	85.00	62.5	65
✓ 267.1	Una Hacienda Mexicana ____ A glimpse of traditional rural life — the simple communal life of the hacienda.	1	410	F.L.	A	125.00	57.8	67
267.22	Hairstyling Basic Hair Cut (color) ____ Shows step by step technique of how a haircutting job is done. It covers and explains such items as sectioning the hair for cutting, position of holding the hair, comb and scissors.	2	800	Beauty Culture	V	200.00	1.15	63
267.23	Cap Cut and Caesar Cut (color) _____ Demonstrates the cutting of hair close to the head, emphasizing the contour of the head. Both style cuts are started at the back of the head working towards the side front using the razor for cutting.	1	400	Beauty Culture	V	100.00	1.15	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
267.24	Duck Tail and Boy's Cut (color) _____ Illustrates step by step method of the procedure used in the cutting of the Duck Tail and Boy's cut. The use of the razor is applied beginning the cut from the back of the head working to the side front.	1	400	Beauty Culture	V	100.00	1.15	63
267.25	Fringe (color) _____ Illustrates in a step by step method how the fringe hair cut is achieved. The use of the razor, its position and how it is applied is shown. The hair is then combed out.	1	400	Beauty Culture	V	75.00	1.15	63
267.26	How to Make Ridge Curls (color) _____ Uses the step by step methods and "close-ups" of the technique that is used when making a ridge curl. The points to avoid are also shown and explained.	2	800	Beauty Culture	V	200.00	1.15	63
267.27	Sculpture Cut (color) _____ Demonstrates with the use of "close-ups" how a sculpture cut is achieved. The cutting of hair is styled from the back of the head and working up to the side front. Shows the tapering method of hair cutting.	1	400	Beauty Culture	V	100.00	1.15	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
267.4	Half Billion Dollar Mosquito, The _____ Discussion of the difficulties encountered in building the Panama Canal due to the outbreak of yellow fever. Steps in eliminating the mosquito menace, the men involved and the successful building of the canal are shown.	1	450	Sci.	5-6	70.00	73.02	64
✓ 267.7	Hamburg (color) _____ (German Language Film Series #1) This film can serve as a guide for the city of Hamburg. Shows famous buildings, sights and the life of the city of Hamburg. Narrated in German. The vocabulary and sentence structure of the narrative are on an intermediate level.	1	370	German	A	120.00	57.8	64
267.8	Hamilton, Alexander _____	2	638	Soc. St.	J	120.00	39	66
270.4	Handel and His Music _____	1½	500	Music	J-A	75.00	24.1	63
270.41	Handel and His Music (color) _____ Biographical summary of composer's life with excerpts from his music.	1½	500	Music	J-A	137.50	24.1	63
270.8	Handmade Materials for Projection _____	1	680	TT		75.00	57.3	67
270.81	Handmade Materials For Projection (color) _____ Techniques for preparing transparencies for the Vu-Graph and overhead projector.	1	680	TT		150.00	57.3	67
271.2	Happy Little Hamsters _____	1½	486	Sci.	K-6	75.00	73.5	66
271.21	Happy Little Hamsters (color) _____ Facts about hamsters shown in story form; how they live, reproduce and care for young.	1½	486	Sci.	K-6	135.00	73.5	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
271.3	Harbors	1	400	Soc. St.	E	60.00	21.4	67
271.31	Harbors (color)	1	400	Soc. St.	E	110.00	21.4	67
	This film follows a tug-boat skipper and crew through their daily work of helping ships move safely in and out of the harbor. We visit the tug engine, galley and captain's cabin.							
271.5	Hard Brought Up	3½	1490	Guid.	T.T.	150.00	76	66
	Two ten year old boys—one from an economically favored, one from an underprivileged home — are brought into Children's Court after teaming up to steal cigarette, tubes and flashlights from a store. The film sets forth the formative influences in their lives and shows how a social worker, using her understanding of these, helps the boys and their families toward better adjustment.							
272	Hardness Testing, (Rockwell)	1¾	661	Machine Shop	V	40.69	71	67
272.5	Hare And Tortoise	1	384	Lang.Arts	E	60.00	39	63
272.8	Harmony In Music	1¾	500	Music	E	75.00	24.1	63
272.81	Harmony In Music (color)	1¾	500	Music	E	137.50	24.1	63
272.83	Harry in Search of Himself	3	1000	Soc. St. Guid.	J-A	135.00	20.5	63
	The story of Harry Bergh, the founder of the A.S.P.C.A.							

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
272.84	Having Your Say A teenage group is accused of destructive behavior and is denied the use of a community center without a hearing. In retaliation they hire a hall to publicly voice their protest.	½	216	Guid.	A-V	45.00	62.5	67
272.85	Hawaiian Islands: Chief Industries (color) A concise study of the sugar cane and pineapple industries of Hawaii.	1	355	Soc. St. Sci.	E-J	100.00**	29	65
272.9	Hawaii	1	380	Soc. St.	E-J	36.00	39	63
272.91	Hawaii (color)	1	380	Soc. St.	E-J	103.20	39	63
272.95	Hawaii — The Fiftieth State	1½	599	Soc. St.	E-J	90.00	39	65
272.96	Hawaii — The Fiftieth State (color) Introduces America's fiftieth state. Describes the history of early settlement, physical geography, natural resources, people of the Islands, major industries, and life in Honolulu.	1½	599	Soc. St.	E-J	180.00	39	65
272.98	Hawaii's History: Kingdom To Statehood	1½	486	Soc. St.	J-A	70.00	43	66
272.981	Hawaii's History: Kingdom To Statehood (color) Gradual change in ways of living. Step by step development of ties with U. S. from early New England whalers to U.S. need for naval bases.	1½	486	Soc. St.	J-A	135.00	43	66
273	Headpin Hints Man and woman champion bowlers demonstrate correct bowling actions to boys and girls of high school age.	1	310	Health Ed.	A-V	48.00	47	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
273.1	Headsprings in The Gym..... Slow - motion sequences show analysis of headstand, angle headstand on low mat, box and high box.	1	301	Phy. Act.	A-V	60.00	39	67
273.22	Health Heroes: The Battle Against Disease	1	400	Health Ed. Sci. Soc. St.	5-9	60.00	24.1	65
273.221	Health Heroes: The Battle Against Disease (color) The contributions of five great men in the battle against disease are outlined within an historical framework.	1	400	Health Ed. Sci. Soc. St.	5-9	120.00	24.1	65
273.222	Health In Our Community	1½	482	Health Ed.	E	75.00	39	65
273.223	Health In Our Community (color) Dramatizes the work of the Department of Health and its' teamwork with private medical people in dealing with community health problems.	1½	482	Health Ed.	E	150.00	39	65
273.25	Healthy Feet	1	400	Health Ed.	5-9	60.00	24.1	64
273.26	Healthy Feet (color) Reveals the anatomy of the foot. Its emphasis is on the care of the feet, however, associating the relationship of sound feet to activity.	1	400	Health Ed.	5-9	110.00	24.1	64
273.3	Healthy Lungs	1	400	Health Ed.	A	60.00	24.1	63
273.31	Healthy Lungs (color)	1	400	Health Ed.	A	110.00	24.1	63
273.4	Healthy Skin	1	400	Health Ed.	E-J	60.00	24.1	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
273.41	Healthy Skin (color) Depicts the methods used to keep the skin healthy by the ordinary means found in the home. A study of the anatomy of the skin at a level of understanding for the elementary school child is used.	1	400	Health Ed.	E-J	110.00	24.1	64
273.5	Hear Better: Healthy Ears	1	400	Health Ed.	E-J	60.00	24.1	66
273.51	Hear Better: Healthy Ears (color)	1	400	Health Ed.	E-J	110.00	24.1	66
273.55	Hear Now (color) Two children visit their uncle, a circus clown, who is also the circus doctor. They learn about care of the ears, their construction and the part played by this important sense.	1	400	Health	E	100.00	76.8	66
273.62	Heart and Circulation Portrays how heart and blood vessels circulate blood throughout the body. Animated drawings depict the nature of the circulatory system and muscular and valvular heart action.	1	375	Biology	A	60.00	39	67
273.7	Heart Diseases — Major Causes Photographs showing causes of heart disease involving varying age levels; good for classroom use.	1	384	Health Ed.	J	60.00	39	66
273.8	Heart, Lungs and Circulation	1	400	Health	J-A-V	60.00	24.1	65
273.81	Heart, Lungs and Circulation (color) Presents the major functions of the heart and lungs and stresses the importance of their proper care in maintaining body health.	1	400	Health	J-A-V	120.00	24.1	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
274	Heat and Its Behavior	1	400	Sci.	6th	60.00	24.1	66
274.01	Heat and Its Behavior (color) Film clarifies basic concepts concerning nature of heat — its sources, measurement and utilization. Heat as molecular motion—how heat travels, shown.	1	400	Sci.	6th	110.00	24.1	66
274.1	Heat Conduction By means of simple experiments conducted with ordinary materials for apparatus, we are shown how heat is conducted through various substances. The thermostat is shown as a practical application of heat conduction and expansion.	1	420	Sci.	J-A-V	55.00**	62.5	63
274.2	Heat Convection and Radiation Many simple experiments are performed that illustrate the principle of convection in liquids and gases.	1	420	Sci.	J	55.00**	62.5	63
274.3	Heat—Its Nature and Transfer The theory of heat, sources and transmission of heat energy are depicted by animated diagrams. Practical applications are shown.	1	375	Sci.	(J (Unit (83.1	60.00	39	64
274.35	Heidelberg (color) German language film on Heidelberg, with spoken German narration, discourse and conversation about the city, its streets, people, university, architecture, museum and other points of interest. (Intermediate German).	1½	535	German	A	165.00	57.8	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
276.4	Helen Keller in Her Story _____ Helen Keller appears in a film depicting the principal events in her life.	4	1600	S.S.-L.A.	E-J-A-V	100.00	24.04	67
276.5	Helicopter, The _____	1	391	Soc. St.	J-A-V	60.00	39	65
276.51	Helicopter, The (color) ____ The theory of flight for helicopter explained by means of animated diagrams; and the many uses of helicopters.	1	391	Soc. St.	J-A-V	120.00	39	65
276.6	Helicopter Carries The Mail _____ Description of air liners bringing in mail to L.A. airport where mail is transferred to helicopter and sent to main Post Office.	1	404	Soc. St.	E	60.00	3	67
276.7	Help for Pakistan _____ Shows work of United Nations through UNICEF and the technical assistance programs.	1	350	Soc. St.	J-A-V	32.50	24.04	64
276.73	Helpers in Our Community	1	400	Soc. St.	E	60.00	24.1	64
276.731	Helpers in Our Community (color) _____ We see how all work together to make the community a good place in which to live. The street repairman, the doctor, the storekeeper, the bus driver and others are represented.	1	400	Soc. St.	E	110.00	24.1	64
276.8	Helping Johnny Remember	1	405	Guid.	E	55.00	73.5	63
276.81	Helping Johnny Remember (color) _____ Johnny's classmates help him to become a happy, considerate, unselfish boy and as a result, change from a "sulky" to a "smiley."	1	405	Guid.	E	100.00	73.5	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
277.12	Her Honor, The Nurse Reveals the service of nurses and doctors in a team approach. Can be used effectively for motivating children to explore nursing as a profession.	1	310	Health Ed.	J	48.00	47	64
277.17	Hercules	1	402	Lang. Art	E	50.00	91.95	63
277.6	Heredity And Environment	1	400	Science	J-A-V	60.00	24.1	66
277.61	Heredity And Enivronment (color)	1	400	Science	J-A-V	110.00	24.1	66
277.63	Heredity and the Chromosomes Describes the theory of location of genes, and explains how the theory of chromosomes, now a fact, was developed and tested. Demonstrates that traits and chromosomes were always associated. The nucleic acids of chromosome structure are seen and explained by models.	3	1065	Bio.	A	125.00	57.3	67
277.7	Heredity in Animals Explains Mendel's laws of heredity, of how inherited characteristics are handed on from generation to generation.	1	379	Sci.	A	50.00	89	63
277.77	Hérons	1	400	Sci.	E-J	50.00	1.15	63
277.8	Herring Hunt Study of herring fishing industry and the fishermen involved.	1	403	Soc. St.	6-9	50.00	64	65
277.83	Hickory Stick, The Story of discipline in a fifth-grade classroom showing how a teacher maintains an orderly atmosphere for learning and helps youngsters Cope with their behavior problems.	1	1200	Guid. T.T.	E	150.00	62.52	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
277.85	High Artic Biome, The	2	800	Bio.	A	120.00	39	67
277.851	High Artic Biome, The (color) _____ The camera records in vivid detail exciting evidence of plant and animal life and their constant struggle for survival in this last region of the world to emerge from the age of ice.	2	800	Bio.	A	240.00	39	67
278	High Frequency Soldering	1½	625	Machine Shop	V	39.34	71	67
278.4	High Jump _____	1	382	Health Ed.	A-V	55.00	89	64
278.5	High Jump, The _____	1	400	Health Ed.	A-V	50.00	24.1	63
278.6	High School Prom _____	1½	600	Guid.	A-V	90.00	24.1	63
278.61	High School Prom (color) Shows the necessary preparations to attend a school function, the proper etiquette while attending, and accepted procedures following the occasion.	1½	600	Guid.	A-V	165.00	24.1	63
278.62	High School, Your Challenge _____	1½	500	Guid.	A-V	75.00	24.1	67
278.63	High School, Your Challenge, (color) _____	1½	500	Guid.	A-V	137.50	24.1	67
278.7	Highland of The Andes — Peru _____	2	768	Soc. St.	E-J	110.00	89	65
278.71	Highlands of Scotland, The (color) _____ Shows the rugged country of Scotland, which has shaped the characteristics of the people... shown hunting, fishing, tending their sheep, harvesting grain, etc. . . . a Highland gathering... A film of People.	1	325	Soc. St. Lang.Art	J-A	100.00	1.8	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
278.73	Highway Pioneers History of the automobile and how it has developed our way of living. An introduction to Driver Education, showing the importance of driver attitudes.	1	365	Driver Ed.	A-V	60.00	26	64
278.74	Himalaya: Life on The Roof of the World	2	800	Soc. St.	J-A-V	120.40	1.37	63
278.75	Himalaya: Life on The Roof of The World (color) Treatment of the areas in Northern India dependent upon the Himalayas for their lives. Shows the daily lives of the people across the base of the Himalayas.	2	800	Soc. St.	J-A-V	200.40	1.37	63
278.77	Hippos	1	405	Sci.	E	55.20	62.5	63
278.78	Hippos (color) Shows two young hippopotamuses in their environment in the New York Zoo, and life of hippos in their natural environment in Africa.	1	405	Sci.	E	110.20	62.5	63
278.82	Historic New England (color) Famous points or places of interest are highlighted.	2	800	Soc. St.	E-J	195.00	63	63
278.84	Historic New York The past of New York, one of the greatest cities in the world, is seen on a visit to the New York Hall of Fame and the Museum of the City of New York.	1	285	Soc. St.	J-A	40.00	72.3	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
278.85	History Brought to Life Shows the work done by Hollywood research experts in bringing accuracy of mood and detail to motion picture versions of historical periods.	1	400	English	J-A	17.50***	87	67
278.9	History in Your Community	1½	500	Soc. St.	E-J	75.00	24.1	65
278.91	History in Your Community (color) Boy finds arrowhead and initiates study of history of his own community through visits to old houses and settlers, study of the cemetery, reading old newspapers, gathering historical pictures and articles for exhibit showing history from Indian times to present.	1½	500	Soc. St.	E-J	150.00	24.1	65
278.92	Hoaxters, The Comparison is made in documentary form of various kinds of totalitarianism in Germany, Russia, Italy, Japan. Hoaxters in the United States are also brought into the picture to emphasize that we need a positive fight for democracy.	2	800	Soc. St.	A	60.00***	87	63
✓ 278.921	Hockey Series (set of 8) 1. Skating - 9 min., 2. Stickhandling - 6 min., 3. Passing-6 min., 4. Checking - 6 min., 5. Shooting - 8 min., 6. Goaltending - 8 min., 7. Offensive Team Play - 11 min., 8. Defensive Team Play-11 min.	8	2080	Health	A	350.00	57.8	66
278.93	Holiday Art (color) Parents and teachers join in planning creative experience for special days.	1	222	Art	Parent Ed	60.00	3	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
278.94	Holiday From Rules	1	407	Guid.	3-5	55.00	73.5	64
278.941	Holiday From Rules (color) Several young children who object to rules, are placed on an island where there are no rules. The children discover that games cannot be played without rules, that a doctor cannot be called in case of accident because a doctor imposes rules, children become ill because they do not observe health rules; and, in general, life without rules is no fun.	1	407	T.T. Parent Ed.	3-5	100.00	73.5	64
279	Holmes, Oliver Wendell.....	2	616	English	J-A-V	120.00	39	66
279.1	Holy Land, The Background for History and Religion	1	400	Soc. St.	A-V	60.00	24.1	65
279.11	Holy Land, The: Background for History and Religion (color) The geography of the ancient Holy Land with special stress on continuation of ancient influences into the present.	1	400	Soc. St.	A-V	120.00	24.1	65
279.3	Home and Family	1	400	Soc. St.	E-J	50.00	74.05	64
279.5	Home Cookery of Fish	1	400	H. Eco.	J-A-V	60.00	39	63
280.1	Home for Hoppy, A	1½	504	Sci.	E	75.00	62.5	65
280.11	Home for Hoppy, A (color) This film shows how Judy and Steve, with the help of their parents, build a semi-aquatic terrarium for Hoppy, their grassfrog.	1½	504	Sci.	E	150.00	62.5	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
Homemaker Series								
280.81	Let's Make A Cake (color) _____ Demonstrates a simple way to make a birthday cake.	½	200	Home Eco.	J-A-V	50.00	63	63
280.82	Let's Make A Meal In Twenty Minutes (color) _____ Sally uses canned foods to turn out a hot meal in very little time.	½	200	Home Eco.	J-A-V	50.00	63	63
280.83	Let's Make a Pie (color) _____ Sally demonstrates the making of a pie.	½	200	Home Eco.	J-A-V	50.00	63	63
280.84	Let's Make A Salad (color) _____ Sally makes a tossed salad for her mother's luncheon party.	½	200	Home Eco.	J-A-V	50.00	63	63
280.85	Let's Make A Sandwich (color) _____ Sally prepares fancy sandwiches for her guests.	½	200	Home Eco.	J-A-V	50.00	63	63
280.86	Let's Make A Casserole (color) _____	½	200	Home Eco.	J-A-V	50.00	63	63
280.9	Homemaking: Buying Food _____	1	375	H. Eco. Foods	E-J-A-V	60.00	62.5	65
281.1	Home Nursing: Fundamentals _____	1½	500	H. Nur.	J-A-V	75.00	24.1	64
281.11	Home Nursing: Fundamentals (color) _____	1½	500	H. Nur.	J-A-V	137.50	24.1	64
281.3	Homes Around The World _____ Homes around the world are built of materials near at hand and suited to climatic conditions and way of life of people. Depicts the large apartments and suburban homes of our country, Eskimo igloos, adobe homes, desert homes, of nomads, canal barges and river homes.	2	613	Soc. St.	E-J	100.00	89	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
281.5	Homespun (color) _____	2	757	Soc. St. Arts & Crafts	E-J-A-V	200.00	39	64
281.7	Homework: Studying on Your Own _____	1	400	Guidance	J	60.00	24.1	64
281.71	Homework: Studying on Your Own (color) _____	1	400	Guidance	J	110.00	24.1	64
282	Honey Bee, The _____	1	391	Nature	E-J	60.00	39	64
282.1	Honeybee, The: A Social Insect _____	½	200	Sci.	J-A	30.00	24.1	65
282.11	Honeybee, The: A Social Insect (color) _____ Summary of the life cycle of the honey bee.	½	200	Sci.	J-A	60.00	24.1	65
282.2	Honeybee, The _____	1¼	526	Sci.-Bio.	E-J-A-V	75.00	1.8	66
282.21	Honeybee, The (color) _____ The story of the bees and their life habits; activities within the hive, house-keeping, pollen gathering, feeding and swarming, the importance of pollination to man, development of cross breeding, etc.	1¼	526	Sci.-Bio.	E-J-A-V	150.00	1.8	66
282.5	Hong Kong — Where Two Worlds Meet _____ Description of the city of Hong Kong, the political relationship of the city to Communist China, means of transportation, and recent living conditions.	1½	500	S.S.-Civ.	J-A-V	60.00	1.15	65
282.7	Hoosier Promenade _____	1	390	Health Ed.	E-J	50.00	57.3	63
282.71	Hoosier Promenade (color) _____ Step by step analysis of the dance using a slow motion technique.	1	390	Health Ed.	E-J	100.00	57.3	63
282.8	Hoover, Herbert _____ Former President of U.S. devotes a full hour's conversation to his career and his views on public affairs.	5	2100	Soc. St.	A-CLC	300.00	39	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
285.1	Hoppy, The Bunny	1	400	Nature	E	60.00	24.1	63
285.11	Hoppy, The Bunny (color)	1	400	Nature	E	110.00	24.1	63
286	Horse Farm	1½	540	Sci.	4-6	150.00	53.65	66
	Horse farms specialize in raising, training, and caring for horses. . not work horses now . . but horses of many types that are bred and trained for riding. This kind of farm is increasing in America.							
287.5	Horsemen Of The Pampas (Argentina)	2	800	Soc. St.	E	110.00	89	64
290	House I Live In	1	384	Soc. St.	E-J-A-V	50.00	62.5	67
292.6	House of Seven Gables	4	1600	Lang. Arts	A-V	120.00***	87	67
	Based on the novel by Nathaniel Hawthorne. Stars Margaret Lindsay, George Sanders, Vincent Price.							
293	How A Scientist Works.....	1½	540	Sci.	5-6	135.00	36.85	66
	Though scientific problems and methods of solving them differ, the scientist uses certain basic patterns in all his work.							
293.2	How An Electric Motor Works	1½	540	Sci.	Gr. 9 Unit I	90.00	62.5	67
293.21	How An Electric Motor Works (color)	1½	540	Sci.	Unit I Gr. 9	175.00	62.5	67
	Explains through demonstration and animated photography the basic principles of operation of the direct current motor and shows various sizes and types.							
293.35	How the Animals Discovered Christmas (color)	1¼	500	Lang. Arts	E	137.50	24.1	67
	All the animals in the valley were walking on their daily routines when a small bird brought them together.							

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
293.4	How Animals Eat	1	356	Sci.,S.S. Lang. Arts	E-J	57.50	62.5	64
293.41	How Animals Help Us.....	1	400	Sci.	E	60.00	24.1	63
293.42	How Animals Help Us (color) Shows cows, sheep, horses, pigs, chickens on the farm with a view to broadening children's understanding of the importance of animals to man.	1	400	Sci.	E	110.00	24.1	63
293.43	How Animals Help Us Points out man's dependence on animals for food, clothing, transportation, pollenization and seed dispersal, etc.	1	383	Sci.	E-J	60.00	62.5	67
293.45	How Animals Live In Winter	1	400	El. Sci.	E	60.00	24.1	66
293.46	How Animals Live In Winter (color) This film shows how the common animals of the woods get their food in winter; how they live and protect themselves.	1	400	El. Sci.	E	110.00	24.1	66
293.5	How Animals Move	1	347	El. Sci.	E-J	57.50	62.5	64
293.51	How Billy Keeps Clean	1	400	Health Ed.	E	60.00	24.1	63
293.52	How Billy Keeps Clean (color)	1	400	Health Ed.	E	110.00	24.1	63
293.57	How Birds Help Us	1	400	Sci.	E-J	60.00	24.1	67
293.58	How Birds Help Us (color) This shows how various birds help us by providing us with food, destroying harmful insects and rodents and eating weed seeds.	1	400	Sci.	E-J	110.00	24.1	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
293.59	How Do You Drive A demonstration of safe driving habits . . . from the time a novice enters a car to the common hazards he encounters on the road.	2¼	900	Driver Ed.	A-V	110.00	64	66
293.6	How Effective Is Your Reading?	1	400	Lang. Arts	J+A-V	60.00	24.1	63
293.61	How Effective Is Your Reading? (color)	1	400	Lang. Arts	J-A-V	110.00	24.1	63
293.63	How Electricity Is Produced Depicts Faraday discovering the principle of an induced current, and shows examples of production of electricity by friction, by chemical action and by magnetic action.	1	395	Sci.	6	110.00**	29	66
293.65	How Far?	1	360	Math.	4-6	50.00	57.3	65
293.66	How Far? (color) How far? develops concepts of distance in terms of miles! compares distance with time through journeys by automobile and airplane. Teaches children different ways of measuring distance.	1	360	Math.	4-6	100.00	57.3	65
293.7	How Do You Know It's Love?	1¼	500	Guid.	A	75.00	24.1	66
293.71	How Do You Know It's Love? (color)	1¼	500	Guid.	A	137.50	24.1	66
293.72	How Friendly Are You?..	1	400	Guid.	E-J	60.00	24.1	66
293.73	How Friendly Are You? (color)	1	400	Guid.	E-J	110.00	24.1	66
293.77	How Green Plants Make And Use Food	1	400	Sci.	(J (Unit	60.00	24.1	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
293.78	How Green Plants Make And Use Food (color)..... Shows in detail how green plants manufacture food. Four essentials are stressed — air, sunlight, soil and water.	1	400	Sci.	(81.1d	110.00	24.1	64
293.81	How Honest Art You?	1½	500	Guid.	E-J-A-V	75.00	24.1	66
293.82	How Honest Are You? (color)	1½	500	Guid.	E-J-A-V	137.50	24.1	66
293.9	How Insects Help Us	1	400	Sci.	E-J	60.00	24.1	67
293.91	How Insects Help Us (color)	1	400	Sci.	E-J	110.00	24.1	67
	This shows how insects are helpful and valuable to man.							
293.95	How Living Things Change	1	400	Sci.	A-V	60.00	24.1	63
293.96	How Living Things Change (color)	1	400	Sci.	A-V	110.00	24.1	63
	Theories of Lamark, Darwin and DeVries developed and illustrated with applicable examples.							
294	How Machines & Tools Help Us	1	400	Sci.	E	60.00	24.1	65
294.1	How Machines & Tools Help Us (color)	1	400	Sci.	E	120.00	24.1	65
	Simple tools such as lever and the inclined plane; harnessing of natural forces — the wind, running water; engines and motors.							

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
294.5	How Man Learned To Count	3	1100	Math	E-J-A-V	150.00	1.3	67
	A trip back through history to see how arithmetic developed from the cave man to the present. Bill Baird and his puppets, "Snarky and Gargle," demonstrate the counting systems of Egypt, Rome, Phoenicia, Carthage and India and how they contributed to our modern numbers system.							
295	How Man Made Day	1	400	Sci.	E-J	50.00	24.1	67
295.1	How Man Made Day (color)	1	400	Sci.	E-J	100.00	24.1	67
295.15	How Nature Protects Animals (color)	1	400	Sci.	3-6	120.00	39	65
	A study of the defensive adaptations which make it possible for animal species to survive the many natural hazards they encounter.							
295.2	How our Bodies Fight Disease	¾	290	Health Ed.	E	45.00	39	66
	Depicts body defenses against disease.							
295.23	How Seeds Are Scattered	1	400	Sci.	3-44	57.50	62.5	64
295.24	How Seeds Are Scattered (color)	1	400	Sci.	3-4	125.00	62.5	64
	Seeds are adapted for dispersal by birds, wings, parachutes, enclosure in tasty fruits, or pods shaped like salt shakers, Various furred animals, birds and wind scatter these seeds.							
295.25	How Sunshine Helps Us.....	1	400	Sci.	Gr. 3&4	60.00	24.1	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
295.251	How Sunshine Helps Us (color) _____ Film shows Jack that sunshine gives us warmth and light; helps make rain which supplies water to plants and animals; enables green plants to grow.	1	400	Sci.	Gr. 3&4	110.00	24.1	67
295.27	How To Concentrate _____	1	400	Guid.	A-V	60.00	24.1	67
295.28	How To Concentrate (color) _____	1	400	Guid.	A-V	110.00	24.1	67
295.4	How To Have An Accident In The Home (color) _____ Donald Duck illustrates that there are many potential sources of accidents in the home such as overlooking electrical circuits, lighting gas oven filled with gas, and improper use of stairs.	¾	300	Safety	E-J	100.00	28	63
295.6	How To Add Fractions _____	1	400	Math.	E-J	60.00	59	65
295.61	How To Add Fractions (color) _____ Reviews the meaning of terms. Illustrates the addition of fraction with a common denominator and explains why the denominator and explains why the denominator does not change.	1	400	Math.	E-J	110.00	59	65
295.62	How To Change Fractions _____	1	400	Math.	J	60.00	59	65
295.63	How To Change Fractions (color) _____ Demonstrates by animation the existence of equal fractions and develops the rule for changing fractions to equal fractions of higher or lower denominator; concludes with problem of reduction of answer to fraction of lowest terms.	1	400	Math.	J	110.00	59	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
295.64	How To Divide Fractions	1	400	Math.	J	60.00	59	65
295.65	How To Divide Fractions (color) Establishes the measurement concept of division using whole numbers for illustration. From this, the rule for dividing by a fraction is slowly developed.	1	400	Math.	J	110.00	59	65
295.66	How To Multiply Fractions	1	400	Math.	J	60.00	59	65
295.67	How To Multiply Fractions (color) Reviews the meaning of multiplication. Shows the relationship between the factors and the answer. Develops step by step the rule for multiplying fractions.	1	400	Math.	J	110.00	59	65
295.68	How To Subtract Fractions	1	400	Math.	E-J	60.00	59	65
295.69	How To Subtract Fractions (color) Review the process of subtraction and demonstrates the subtraction of fractions with a common denominator and subtraction from mixed numbers and whole numbers.	1	400	Math.	E-J	110.00	59	65
296	How To Grow Radishes (color) A film for primary grades on the planting, watering, weeding, thinning and cultivating of radish plants. Included is an easily set up indoor experiment to show how the seeds sprout.	½	200	Sci.	E	55.00	86.5	63
296.5	How The Respiratory System Functions	1	400	Science	J-A-V	50.00**	15	65
296.61	How Quiet Helps at School	1	400	Guid.—T.T.	E	60.00	24.1	64
296.62	How Quiet Helps at School (color)	1	400	Guid.—T.T.	E	110.00	24.1	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	1
296.63	How Plants Help us (Observing Things About Us)	1	400	Sci.	E-J	60.00	24.1	64
296.64	How Plants Help us (Observing Things About Us) (color)	1	400	Sci.	E-J	110.00	24.1	64
296.7	How Plants Help Us Shows the uses of plants to man — food, oxygen, wood, rayon, cotton, rub- ber, antibiotics, etc.	1	385	Sci.	E-J	60.00	62.5	67
296.8	How Plants Reproduce By means of photography and animation the main parts of a plant and its flower are depicted. The methods of reproduction are explained for these plants.	1	388	Sci.	J	60.00	62.5	67
297.1	How To Avoid Muscle Strain	1½	532	HealthEd.	E-J-A-V	60.00**	15	65
297.14	How To Be Well Groomed	1	400	Health Ed. Guidance	J	50.00	24.1	65
297.15	How To Be Well Groomed (color)	1	400	Health Ed. Guidance	J	120.00	24.1	65
297.17	How To Bend Light	1	400	Sci.	Gr. 9 Unit 2	60.00	39	67
297.171	How To Bend Light (color)	1	400	Sci.	Gr. 9 Unit 2	120.00	39	67
297.2	How To Do Rescue Breathing	1	196	Health	E-J-A-V	49.55	77.8	66
	Teaches a lay audience how to use the rescue breathing technique of artificial respiration. Em- phasis is on actual tech- nique rather than back- ground and explanation.							

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
297.21	How To Find The Answer _____	1	400	Math.	E-J	60.00	24.1	65
297.22	How To Find The Answer (color) _____	1	400	Math.	E-J	120.00	24.1	65
297.25	How To Get Cooperation...	1	400	Guid.	J-A-V	60.00	24.1	67
297.26	How To Get Cooperation (color) _____ Shows need for cooperation in our society by both pupils and adults. Ways of obtaining cooperation from others are indicated.	1	400	Guid.	J-A-V	110.00	24.1	67
297.3	How To Judge Authorities	1	400	Soc. St. Lang. Arts, Guidance	J	50.00	24.1	64
297.4	How To Judge Authorities (color) _____	1	400	Soc. St. Lang. Arts, Guidance	J	100.00	24.1	64
297.5	How To Judge Facts _____	1	400	Soc. St. Lang. Arts,	J-A-V	50.00	24.1	64
297.6	How To Judge Facts (color) _____	1	400	Soc. St. Lang. Arts, Guidance	J-A-V	100.00	24.1	64
297.65	How To Make A Linoleum Block Print _____	1	460	Art	J-A-V	75.00	3	66
297.651	How To Make A Linoleum Block Print (color) _____ Introduces the use of block printing for Christmas cards, home furnishings, and clothing. Shows the planning, transferring, cutting, and print of a mounted and unmounted linoleum block.	1	460	Art	J-A-V	130.00	3	66
297.66	How To Make A Mask _____	1	400	Art	E-J-A-V	60.00	3	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
297.661	How To Make A Mask (color)	1	400	Art	E-J-A-V	110.00	3	66
	Four elementary steps in making masks are demonstrated: shaping molds, making papier mache masks over molds, removing masks and painting and decorating them.							
297.7	How To Make a Plaster Cast	1	400	Major Art	A-V	55.00	1.15	67
297.701	How To Make A Puppet ..	1	450	Art	E-J-A-V	65.00	3	66
297.702	How To Make A Puppet (color)	1	450	Art	E-J-A-V	120.00	3	66
	Shows construction of head and hands of the puppet from plasticine, application of papier mache, painting, designing costumes, sewing and controlling puppets from stage.							
297.71	How To Keep A Job	1	400	Guid.	J-A-V	60.00	24.1	65
297.72	How To Keep A Job (color)	1	400	Guid.	J-A-V	120.00	24.1	65
297.76	How To Make Hand-made Lantern Slides (color)	2	790	Arts & Crafts Tch. Tr.	E-J-A-V	150.00	57.3	65
297.8	How To Make A Silk Screen Print (color)	2	800	Major Art	A-V	100.00	1.15	67
297.82	How To Make And Use Diorama	2	720	Tch. Tr.		100.00	62.5	64
297.83	How To Make And Use Diorama (color)	2	720	Tch. Tr.		200.00	62.5	64
	Presents techniques for making diorama.							
297.9	How To Make An Etching	2	800	Major Art	A-V	100.00	1.15	67
297.91	How To Observe	1	400	Study Habits, Tch. Tr.	E-J-A-V	60.00	24.1	65
297.92	How To Observe (color) ..	1	400	Study Habits, Tch. Tr.	E-J-A-V	120.00	24.1	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
297.93	How To Prepare A Class Report	1	400	Guid.	E-J	60.00	24.1	63
297.94	How To Prepare A Class Report (color)	1	400	Guid.	E-J	110.00	24.1	63
298	How To Read A Book	1	400	Read.	E-J-A-V	60.00	24.1	67
298.1	How To Remember	1	400	Guid.	J-A	60.00	24.1	66
298.11	How To Remember (color)	1	400	Guid.	J-A	110.00	24.1	66
298.12	How To Say No	1	400	Guid.	A-V	60.00	24.1	67
298.13	How To Say No (color)	1	400	Guid.	A-V	110.00	24.1	67
298.2	How To Read Newspapers	1	400	English, Soc. St.	J-A-V	60.00	24.1	67
298.21	How To Read Newspapers (color)	1	400	English, Soc. St.	J-A-V	110.00	24.1	67
300	How To Study	1	400	Lang. Arts Guidance	E-J	50.00	24.1	67
300.12	How To Succeed in School Doug and Carol are discouraged over lack of success in school. Their father helps them by showing them how his business operates. He impresses on them the importance of planning for time, budget, physical fitness, keeping plans going on schedule, improving tools of study (Library skills, etc.)	1	400	Guid.	J-A-V	57.50	62.5	64
300.15	How To Take A Test A sympathetic teacher explains to a high school boy why he has difficulty in taking tests and how to improve his performance through specific techniques.	1	387	Guid. Study Sk.	J-A-V	60.00	62.5	67
300.21	How To Think	1½	500	Guid.	J-A-V	75.00	24.1	65
300.22	How To Think (color)	1½	500	Guid.	J-A-V	150.00	24.1	65
300.31	How We Cooperate	1	400	Guid.	E	60.00	24.1	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
300.32	How We Cooperate (color) The importance of co- operation is shown in sev- eral areas. The needs for effort and purpose in planning to cooperate is explained.	1	400	Guid.	E	110.00	24.1	63
300.4	How Trees Help Us	1	400	Sci.	E	60.00	24.1	67
300.41	How Trees Help Us (color) Trees provide us with food, rubber, paper, etc; the growth of an oak from an acorn.	1	400	Sci.	E	110.00	24.1	67
300.45	How Water Helps Us	1	400	Soc. St.	E	60.00	24.1	63
300.46	How Water Helps Us (color) Shows how necessary water is in the daily life of man, e.g., the many uses in the home, water for transportation, water as a home for living things, etc.	1	400	Soc. St.	E	110.00	24.1	63
300.5	How We Elect Our Representatives	1	400	Soc. St.	J-A-V	60.00	24.1	63
300.6	How We Explore Space (color) Introduction to the instru- ments astronomers use and to the methods by which they obtain infor- mation about the objects in space. Telescope, cam- era, spectroscope and photocell are demon- strated.	1½	621	Sci.	J-A	160.00	43	66
300.701	How We Know The Earth Moves	1	380	Sci.	5-6	60.00	43	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
300.702	How We Know the Earth Moves (color)	1	380	Sci.	5-6	110.00	43	65
	We have been told that the earth spins, or rotates, on its axis and that it travels, or revolves around the sun. But how do we know these statements are true? The film illustrates the reasoning used by scientists, explaining the methods by which these facts have been established.							
300.703	How We Know The Earth's Shape	1	388	Sci.-II, 1	7	60.00	43	66
300.704	How We Know The Earth's Shape (color)	1	388	Sci.-II, 1	7	110.00	43	66
	Shows how man has changed his ideas about what earth looks like; from flat to curved, to round, to flattened and bulging, to pear-shaped.							
300.71	How Weather Is Fore-cast	1	400	Sci., S.S.	E-J-A-V	60.00	24.1	64
300.72	How Weather Is Fore-cast (color)	1	400	Sci., S.S.	E-J-A-V	110.00	24.1	64
300.75	How Weather Helps Us.....	1	400	Sci.	E	60.00	24.1	67
300.76	How Weather Helps Us (color)	1	400	Sci.	E	110.00	24.1	67
	Hot weather is good for play, growing plants, etc.; rain helps crops, snow keeps ground from freezing, etc.							
300.8	How We Protect Our Animal Life	1	360	Sci.	2-6	50.00	72.3	66
	Florida Everglades, famous bird and animal sanctuary . . . Animal hospital at Bronx Zoo. Nursery also . . . Salmon helped upstream in Washington (state).							

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
300.88	How To Write Your Term Paper	1	400	St. Sk.	J-A-V	50.00	24.1	65
300.89	How To Write Your Term Paper (color)	1	400	St. Sk.	J-A-V	120.00	24.1	65
300.892	How's Chances? Explains how to arrive at a probable total by taking a representative sampling of the whole and projecting the percentages. Demonstrates how mathematics is used in business, industry and government to predict probable totals. Marionette technique used.	3	1100	Math	J-A	150.00	1.3	67
300.895	Howard Explores crossfire of adult opinions and youthful enthusiasms as is faced with his first big decision. Should he go on a cross-country camping trip.	3	1053	Guid. T.T. Parents	J-A	135.00	57.8	64
300.90	Human Body: The Excretory System	1½	500	Sci. Biology	A	75.00	24.1	66
300.901	Human Body: The Excretory System (color) Step-by-step study of structure and functions of excretory system presented. Main organs, the kidneys, are explained in detail; role of the skin also discussed.	1½	500	Sci. Biology	A	137.50	24.1	66
300.91	Human Body: Circulatory System	1½	500	Sci.	A	75.00	24.1	67
300.92	Human Body: Circulatory System (color) Analysis of circulatory system by means of animation, cinefluorography, drawings and close-ups of live organs.	1½	500	Sci.	A	137.50	24.1	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
300.93	Human Body, The (Digestive System) _____	1¼	500	Sci.	(J-Unit)	75.00	24.1	64
300.94	Human Body, The (Digestive System) (color) _____ The functions of the digestive system are shown in series of x-ray photos, actual photographs of organs of digestion and animated diagrams. The physical and chemical changes undergone by food are also demonstrated.	1¼	500	Sci.	(93.1)	137.50	24.1	64
300.95	Human Body, The: Nervous System _____	1¼	500	Bio., Health	J-A-V	75.00	24.1	65
300.96	Human Body, The: Nervous System (color) Provides a clear visualization of the functioning of the human nervous system.	1¼	500	Bio., Health	J-A-V	150.00	24.1	65
300.964	Human Digestion _____ Describes the principal steps of the digestive process, beginning with the stimulation of the organs of digestion by the sight and smell of appetizing food.	1	400	Bio.	J-A-V-Ad	50.00	24.04	67
300.97	Human Factor in Driving, The _____ Shows the relationship between human actions and conditions and driving habits; the relationship between bad driving habits and accidents.	1	395	Driver Ed.	A-V	50.00	74.05	64
301	Human Skin _____	1	451	Health Ed.	J-A-V	50.00**	15	67
301.01	Human Body, The: Skeleton _____	1	400	Health Ed.	J-A-V	60.00	24.1	64
301.02	Human Body, The: Skeleton (color) _____	1½	400	Health Ed.	J-A-V	110.00	24.1	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
301.03	Human Machine, The	1	525	Sci., Hyg. Physiology	E-J-A-V	60.00	62.9	66
301.04	Human Machine, The (color) Shows the preciseness of the parts of the body and the efficiency with which the work of the body far exceeds that of any machine made by man.	1	525	Sci. Hyg. Physiology	E-J-A-V	125.00	62.9	66
301.05	Human Skeleton Description of skeleton showing groups of bones in x-ray picture. Anatomical terms are used throughout.	1	440	Health Ed.	A-V	70.00	89	65
301.07	Humanities Series, The Great Dramatic Literature (complete set of 12) The Humanities The Theatre Our Town-and Our Universe Our Town-and Ourselves The Age of Elizabeth What Happens to Hamlet The Poisoned Kingdom The Readiness is All The Age of Sophocles Character of Oedipus Man and God The Recovery of Oedipus		12	half hour films Lang Arts	A	2880.00	39	65
301.35	Hummingbird Homelife	1	400	Sci.—Nat.	E-J	50.00	3	63
301.4	Hunter and The Forest..... A film without words but with music showing a hunter out for game. Various animals are shown in their natural habitat. The animals are hunted but not shot by hunter.	¾	304	Lang. Arts	E	45.00	39	65
301.5	Hurdles, The	1	383	Health Ed.	A-V	45.00	89	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
301.6	Hurdling Demonstrates principles of hurdling.	1	360	Health	J-A-V	55.00	89	66
302.1	Hydrogen	1¼	500	Sci.-A,Ad.	E	75.00	24.1	66
302.11	Hydrogen (color) How hydrogen was discovered; how produced experimentally and commercially; its properties and important uses are all discussed.	1¼	500	Sci.-A,Ad.	3	137.50	24.1	66
302.2	Hymn Of The Nations	2½	1008	Music	J-A-V	53.74	71	67
302.4	I Live In Hawaii	1¼	543	Soc. St.	E	70.00	43	66
302.41	I Live In Hawaii (color) Shows children of Hawaii as they eat lunch of food from many countries, learn old Hawaiian customs and learn about their new state.	1¼	543	Soc. St.	E	135.00	43	66
302.45	I Live On The Mojave Desert (color) Story centers around a boy whose home is in the town of Barstow on the Mojave Desert. Desert life in a modern environment. Discussion covers geography, e c o n o m y, school life, "ghost towns", animal life, etc.	1½	576	Soc. St.	E-CLC	150.00	76.8	66
302.51	I'm No Fool As A Pedestrian (color) Shows problems of safety which pedestrians face and suggests measure to help them.	¾	300	Safety	E-J-A-V	100.00	28	63
302.52	I'm No Fool Having Fun (color) Walt Disney presentation of many precautions to be observed while at play.	¾	300	Safety	E-J-A-V	100.00	28	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
302.53	I'm No Fool In The Water (color) Right and wrong ways to behave when swimming. Safety rules for swimming are indicated.	¾	300	Safety	E-J-A-V	100.00	28	63
302.54	I'm No Fool With A Bicycle (color) Development of the bicycle and the right and wrong ways to ride it.	¾	300	Safety	E-J-A-V	100.00	28	63
302.55	I'm No Fool With Fire (color) Animation is used to show right and wrong ways to use fire.	¾	300	Safety	E	100.00	28	63
302.6	Iberian Peninsula	1	387	Soc. St.	E	60.00	39	66
303	Ice The relation of heat and pressure to the solid form of water and its change of state.	1	400	Sci.	J-A-V	55.00**	62.5	63
303.5	Ice To Life (color) This film shows how step by step a community of life is built up on land and in the water after a glacier melts.	1	415	Sci.	E-J	100.00	73.02	67
303.9	Iceland, Capri of the North Land of the Vikings — their homes, recreation, agriculture, industry, language, history, whaling expedition, geyser and natural resources.	1½	600	Soc. St.	6-9	150.00**	27.2	64
305	Ici On Parle Francais (color) An elementary film about Quebec and its surrounding countryside.	2	750	French	J-A	240.00	57.8	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
✓ 306	Idea Of Numbers Beginning with man's earliest number concepts the film traces the development of the decimal system. Explains the binary system and its use in computers.	2	540	Math	E-J-A-V	145.00	57.8	67
307.5	Ignition and Spark Plug	1½	673	R. Tech. Sc.	V	60.00	15	63
307.8	Im Lande Wilhelm Tells.....	1	400	F.L. H.S. (German)		65.00	21.4	67
307.81	Im Lande Wilhelm Tells (color) Film shows scenes from Schiller's Wilhelm Tell but is also a panoramic documentary. It is placed slowly and spoken in simple German.	1	400	F.L. H.S. (German)		115.00	21.4	67
308.1	Immigration In America's History	1	400	Soc. St.	J-A	60.00	24.1	66
308.11	Immigration in America's History (color) Major waves of immigration, from seventeenth century to the present, examined in historic, economic and sociological contexts.	1	400	Soc. St.	J-A	110.00	24.1	66
308.51	Immunization (2nd Ed.)..... Immunization, active and passive, as applied to diphtheria, small pox, pneumonia, graphically displayed.	1	357	Health Instr.	E-J-A-V	60.00	39	66
308.7	Impact Slow-motion photography reveals the instant by instant effects of automobile collisions at high speeds on passengers.	1	432	Driver Ed.	A	65.00	89.3	65
308.8	Imperialism and European Expansion	1½	500	Soc. St. World Hist.	A	75.00	24.1	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
308.81	Imperialism and European Expansion (color Forces that affected the character of expansion movement of 1875-1914 shown. Costumed re-enactments, location shots, contemporary photographs provide authentic dimension.	1½	500	Soc. St. World Hist.	A	137.50	24.1	66
308.9	Importance Of Goals Tommy's keen interest in his outside activities demonstrates to his teacher his need for proper motivation. With the possibility of a post in the Safety Patrol his work takes a new meaning.	1½	684	T.T.	Adult	105.00	62.5	67
309.1	Importance of Making Notes Notes (color)	1	400	Lang.Arts	E-J-A	60.00	24.1	66
309.11	Importance of Making Notes (color)	1	400	Lang.Arts	E-J-A	110.00	24.1	66
309.14	Importance Of Rivers (color) How rivers have shaped the landscape influenced atmosphere and temperature, sustained life and dictated settlements, and cities.	1	400	Sci.	Gr. 7	110.00	1.8	67
309.17	Importance of Selling Salesman-ship	2	707	Salesman-ship	A-V	120.00	39	64
309.2	Impossible Map, The	1	375	Soc. St.	E-J-A	50.00	64	65
309.21	Impossible Map, The (color Experiments with a grapefruit illustrate the difficulty of presenting a true map of the world on a flat surface, and it is concluded that the globe is most accurate.	1	375	Soc. St.	E-J-A	100.00	64	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
309.3	Impressionable Years, The Portrays a little girl's first experience in the chil- dren's room of the New York Public Library.	2½	1086	Teacher Tr.		57.56	71	67
309.35	Impressionism (color) _____ Presents an analysis of the Impressionism move- ment in painting.	1	246	Art	A-V	70.00	3	67
309.37	Improve Your Handwriting	1	400	Lang. Arts	E	60.00	24.1	63
309.38	Improve Your Handwriting (color) _____ Indicates fundamentals of good handwriting.	1	400	Lang. Arts	E	110.00	24.1	63
309.41	Improve Your Personality	1	400	Guidance	A-V	60.00	24.1	63
309.42	Improve Your Personality (color) _____	1	400	Guidance	A-V	110.00	24.1	63
309.5	Imprive Your Punctuation	1	400	Lang. Art	J-A-V	60.00	24.1	65
309.51	Improve Your Punctuation (color) _____ Brings students to a livelier realization of the importance of punctua- tion, and shows the chief functions of the punctu- ation marks in general use.	1	400	Lang. Art	J-A-V	120.00	24.1	65
309.61	Improve Your Spelling _____	1	400	Lang. Arts	J	60.00	24.1	67
309.62	Improve Your Spelling (color) _____	1	400	Lang. Arts	J	110.00	24.1	67
309.63	Improve Your Study Habits _____	1	400	Guid. Lang.	J-A-V	60.00	24.1	67
309.631	Improve Your Study Habits (color) _____ Such habits as taking notes, learning to use re- ference books, outlining, and making a homework schedule are suggested.	1	400	Guid. Lang.	J-A-V	110.00	24.1	67
309.65	Improving America's Health _____	1	400	Health	J-A-V	60.00	24.1	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
309.66	Improving America's Health (color) Describes some of the principal public health and medical services in the United States.	1	400	Health	J-A-V	120.00	24.1	65
309.7	Improving Your Posture.....	1	400	Health Ed., Guidance	A-V	60.00	24.1	65
309.8	Improving Your Posture (color)	1	400	Health Ed., Guidance	A-V	120.00	24.1	65
309.85	In Case of Fire	2	735	Safety	5-12	120.00	39	65
309.86	In Case of Fire (color)..... This film demonstrates what to do in case of fire — at home, at school, in public buildings. It shows how effective fire-drill training prevents real-life disasters.	2	735	Safety	5-12	240.00	39	65
309.88	In The Forest	1	177	Lang. Art	E	37.50**	91.95	66
	Iconographic film based on book of same title telling of a little boy who takes a walk in the forest and of the animals he meets.							
309.89	Incas, The	1	400	Soc. St.	E-J-A	60.00	24.1	67
309.891	Incas, The (color	1	400	Soc. St.	E-J-A	110.00	24.1	67
	Filmed at authentic sites, using archaeological remains and existing Peruvian Indian village life, this film presents historical, geographical, and cultural view of Incan civilization.							
309.9	Incline Plane, Wedge & Screw	1	420	Sci.	J-A-V	55.00**	62.5	63
	A complete explanation of the theory and application of the inclined plane is presented and the wedge and screw explained in terms of the inclined plane.							

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
309.91	India: Customs in Villages	1	387	Soc. St.	J-A-V	60.00	39	63
309.92	India: Customs in Villages (color) Portrays aspects of life in a small village in Northern India where centuries-old customs have remained unchanged.	1	387	Soc. St.	J-A-V	120.00	39	63
309.93	India: Introduction to Its History	1½	574	Soc. St.	J-A-V	90.00	39	63
309.94	India: Introduction to Its History (color) Provides an overview of Indian history. Describes the pageantry of the major religions of India and culture of Indian society.	1½	574	Soc. St.	J-A-V	180.00	39	63
309.95	India: Land and People.....	1	400	Soc. St.	E-J-A-V	50.00	63	63
309.96	India: Land and People (color) Shows the villages, the people and their occupations, the caste system, the religion of India, its climate, rainfall and problems faced by modern India.	1	400	Soc. St.	E-J-A-V	100.00	63	63
310.01	India and Pakistan: Land and People	1½	500	S.S.-Geog. World History	J-A-V	75.00	24.1	67
310.02	India and Pakistan: Land and People (color) The political and economic status of India and Pakistan.	1½	500	S.S.-Geog. World History	J-A-V	137.50	24.1	67
310.1	India	1½	600	Soc. St.	E-J	90.00	39	63
310.12	India (color) This documentary on life in India today surveys geography, climate, agriculture, racial and social structure, religion and culture.	2	790	Soc. St.	J-A	210.00	57.8	66
310.15	India's History: British Colony To Independence...	1	400	Soc. St.	J-A-V	60.00	24.1	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
310.16	India's History: British Colony To Independence (color) Shows how India obtained its independence and the role that Mohamdas Gandhi played. The problems that face the Hindus and Moslems in their relations with each other and with Britain are depicted.	1	400	Soc. St.	J-A-V	110.00	24.1	66
310.17	India's History: Early Civilization	1	400	Soc. St.	J-A-V	60.00	24.1	66
310.18	India's History: Early Civilization (color) Story of India's origin and development from the cultural and caste system point of view.	1	400	Soc. St.	J-A-V	110.00	24.1	66
310.23	Indian Family of Long Ago	1¼	485	Soc. St.	E-J	75.00	39	63
310.24	Indian Family of Long Ago (color) Family life of the Sioux Indians of South Dakota as it was lived many years ago. Emphasis in the film is on the interdependence of every member of the family unit illustrated through the activities involved in hunting the buffalo.	1¼	485	Soc. St.	E-J	150.00	39	63
310.25	Indian House, The	1	405	Soc. St.	E-J	55.00	53	66
310.4	Indian Pow Wow	1	450	Soc. St.	E-J	110.00	1.6	64
310.8	Indians of Early America	2	774	Soc. St.	E-J-A-V	120.00	39	63
310.81	Indians of Early America (color) Depicts early Indian customs, rituals and family life, the Indian at war, and a buffalo hunt.	2	774	Soc. St.	E-J-A-V	240.00	39	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
311	Individual Differences This film shows the wrong and right ways in which a teacher can try to bring the shy, slow student into the heart of the class.	2	828	T.T.	Adult	125.00	62.5	67
311.15	Indochina The state of Laos, Cambodia, and Vietnam, with emphasis on the latter, following French rule in 1954 and the Geneva truce agreement which ended seven years of hostilities.	3	1170	Soc. St.	A	120.00	64	64
311.2	Indonesia: The Land And The People	1½	500	Soc. St.	6-12	75.00	24.1	63
311.21	Indonesia: The Land And The People (color) Depicts geography and history of the islands of Indonesia, visualizing important physical characteristics, traditions of the people, chief products and the transition from colony to independent nation.	1½	500	Soc. St.	6-12	137.50	24.1	63
311.3	Indonesia — New Nation Of Asia	1½	588	Soc. St.	6-9	90.00	39	65
311.31	Indonesia — New Nation Of Asia (color) Salim, an Indonesian teacher, narrates this dramatic and comprehensive story of his country, a nation of over three thousand islands. This beautiful and unusual film document traces the history, life in cities and villages, natural resources, religion and art.	1½	588	Soc. St.	6-9	180.00	39	65
311.4	Industrial Arts: Joining And Gluing Principles and procedures for joining and gluing wood.	1½	400	Wood-working	J-A-V	75.00	62.5	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
Industrial Arts:								
311.45	Knowing Woods and Their Uses _____ Describes the woods used in the woodworking trades, illustrating uses of woods in cabinet making, carpentry, boat building and pattern making, quarter sawing, plane sawing, and advantages of each. Names a few woods and describes working qualities of each.	1½	540	Ind. Arts	J-A-V	75.00	62.5	64
311.52	Industrial Arts: Metal Shop Safety _____ By means of a visual quiz, this film discusses the safe practices of the school metalworking shop.	1½	648	Voc.	J-A	105.00	62.5	65
311.6	Industrial Canada _____ Growing cities, huge factories and modern highway stems reveal Canada's dramatic change over the last fifty years from an agricultural country to a major industrial nation.	1½	600	Soc. St.	J-A	90.00	24.1	64
313	Industrial Revolution _____	1	390	Soc. St.	A-V	60.00	39	67
313.1	Industrial Revolution In England, The _____	2½	923	World Hist.	J-A	135.00	39	66
313.11	Industrial Revolution In England, The (color) _____ Traces history of England's Industrial Revolution; describes machines contributing; defines problems of industrialization.	2½	923	World Hist.	J-A	270.00	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
313.15	Inertia Demonstrates Galileo's principle of inertia using nearly frictionless pucks on dry ice bearings & multiple flash photography; develops the relation that acceleration is proportional to force, when mass is constant.	2½	972	Sci.	A	150.00**	62.85	67
313.155	Inertia of Motion Many simple demonstrations illustrate everyday applications of inertia.	1	420	Sci.	E-J	55.00**	62.5	63
313.156	Inertia of Rest This film explains the phenomena of objects at rest tending to remain at rest. Experiments include the classical coin, card and glass stunt, the tablecloth and dish experiment and the experience of sitting in a car that starts suddenly.	1	420	Sci.	J-A-V	55.00**	62.5	63
313.16	Inertial Mass Develops the relation that acceleration is inversely proportional to mass, with a constant force. Shows that different objects may have the same inertial mass, by showing that they have the same acceleration if the same force is applied.	2	720	CLC Sci.	A	120.00**	62.85	67
313.17	Infection Diseases and Man—Man Defenses Man—Man Defenses	1	400	H. Ed. Science	JAV	60.00	24.1	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
313.171	Infection Diseases And Man—Man Defenses (color) This film shows how body defenses can be aided by man, how anti-toxins provide passive immunity, how vaccines provide active immunity, and recent advances in antibiotics and synthetics.	1	400	H. Ed. Science	JAV	110.00	24.1	67
313.18	Infectious Diseases and Natural Body Defenses..	1	400	Sci.	J 9th-Unit 2	60.00	24.1	67
313.181	Infectious Diseases and Natural Body Defenses (color) Photomicrography, laboratory demonstrations, and animation illustrate the two groups of natural defenses (outer and inner) which guard the body against disease.	1	400	Sci.	J 9th-Unit 2	110.00	24.1	67
313.2	Influential Americans, The A report of new experiments in the utilization of gifted school teachers, pointing out the need for higher quality education. Includes discussion of team teaching, large group instruction, airborne television, distribution and use of language laboratories. Plea for research and development included.	5	1872	Tch. Tr.	Parents	250.00	20.5	66
313.22	Inland Waterways of American Transportation	1½	585	Soc. St.	E-J-A-V	90.00	39	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
313.23	Inland Waterways of American Transportation (color) Picturization of the history and present status of commercial water traffic. Inland waterways in various parts of the U.S.A. are shown.	1½	589	Soc. St.	E-J-A-V	180.00	39	67
313.28	Insect Collecting Shows where to look and how to capture specimens of some common and uncommon terrestrial and aquatic insects in close detail. Shows larvae, pupae and eggs and how to raise to adult stages.	1¾	506	Sci.	J-A-V	135.00**	29	66
313.29	Insect Foods Many examples of useful and harmful insects are shown in extreme close-up and macro-photography as the film shows what insects eat and how they eat.	1¾	511	Sci.	4-6	135.00**	29	65
313.294	Insect Mounting and Preserving Shows techniques of 12 different ways of preparing insects for a collection. Shows many types of insects in extreme close detail.	1¾	486	Sci.	CLC (Jr. & Sr.)	135.00**	29	67
313.3	Insect Life Cycle Follows the life cycle of the periodical cicada. Uses animated diagrams.	1	375	Sci.	J	60.00	39	63
✓ 314.4	Insect Zoo (color)	1	401	Science	E	120.00	39	67
314.5	Insects Are Interesting This film presents understandings of how insects live, their biology, their life histories and their adaptations.	1	396	Sci.	J-8	130.00	57.8	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
314.61	Inside Opera Grace Moore singing in audition and in various opera situations—training of her as a singer, experience in living as a student and appearing in opera.	3	1200	Music	J-A-V	90.00***	87	67
315	Inside Story, The (Spanish Version) Spanish version of an English film (1952) with appropriate revisions. The informal, illustrated talk technique is used to describe the medical aspects of TB.	1½	620	Spanish Health Ed. Parents		90.00	24.7	65
316	Inside The Library of Congress	1	400	Am. His.	A-V	30.00***	87	64
317.8	Installment Buying	1	400	Soc. St.	A-V	50.00	24.1	65
317.9	Installment Buying (color)	1	400	Soc. St.	A-V	120.00	24.1	65
317.95	Instructo-Film Series, The — Spanish "Pronunciacion Y Acentuacion" Pt. 1	2	750	Spanish	E-J-A	105.00	1.38	65
	How to pronounce and stress Spanish words correctly. Maps and names of outstanding Spanish, Latin American personalities. Students repeat examples in unison. Music.							
318	Instruments of Astronomy (color)	1	430	Sci.	E-J-A	130.00	57.8	67
	Relates the important role of the telescope in the field of astronomy. Explains the development and construction of the armillary sphere; astrolabe, Galileo's telescope, Newton's reflector, the sextant and the most modern instruments.							
318.1	Instruments of The Band: Introduction	1	400	Music	E-J-A-V	60.00	24.1	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
318.11	Instruments of The Band: Introduction (color) Shows sections of the band — brass, woodwind, percussion and individual instruments; then shows string section of orchestra. Illustrates function of each in blending.	1	400	Music	E-J-A-V	120.00	24.1	65
318.12	Instruments of The Band and Orchestra: The Brasses	1	400	Music	J-A-V	60.00	24.1	65
318.13	Instruments of The Band and Orchestra: The Brasses (color) Explains brasses — how tone is produced, how valves control pitch, other controls such as the hand in the horn, mutes, demonstrates cornet, trumpet, trombone, French horn, baritone and tuba.	1	400	Music	J-A-V	120.00	24.1	65
318.14	Instruments of The Band and Orchestra: The Strings	1	400	Music	E-J-A-V	60.00	24.1	65
318.15	Instruments of The Band and Orchestra: The Strings (color) Explains string instruments of the orchestra; demonstrates violin, viola, cello, bass, harp, piano.	1	400	Music	E-J-A-V	120.00	24.1	65
318.16	Instruments of The Band and Orchestra: The Percussions	1	400	Music	E-J-A-V	60.00	24.1	65
318.17	Instruments of The Band and Orchestra: The Percussions (color) Explains percussion instruments — tympani, snare drum, etc.	1	400	Music	E-J-A-V	120.00	24.1	65
318.18	Instrument of The Band and Orchestra: The Woodwinds	1	400	Music	J-A-V	60.00	24.1	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
318.19	Instruments of The Band and Orchestra: The Woodwinds (color) How woodwind and reed instruments work—flute, piccolo, clarinet, oboe, bassoon.	1	400	Music	J-A-V	120.00	24.1	65
318.195	Instruments of The Orchestra Introduces the instruments of the symphony orchestra and then presents the London Symphony Orchestra in Benjamin Britten's Variations and Fugue on a Theme by Purcell.	2	800	Music	E-J-A-V	55.00	24.04	64
318.2	Insurance Against Fire Losses (color)	1½	524	Bus. Ed. Soc. St.	J-A-V	150.00	39	67
318.3	International Atom, The (color) Reviews the peaceful applications of atomic energy in various parts of the world. Agriculture, industry, and medicine are covered in this film.	1	940	Soc. St.	J-A-Ad	150.00	24.04	67
318.35	Introducing Air	1	437	Sci.	E	60.00	3	67
318.351	Introducing Air (color) A simple science lesson told in story form. It tells how a father, taking his children on a sailboat ride, explains that while we cannot see air, it is very real, it takes up space, it touches everything around us, & it makes us feel warm or cold.	1	437	Sci.	E	120.00	3	67
318.4	Introducing Britain	1	400	Soc. St.	E	49.00	63	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
318.41	Introducing Britain (color) Shows various aspects of the geographic, economic and social conditions of Great Britain, stressing the industries and way of life.	1	400	Soc. St.	E	100.00	63	63
318.45	Introducing Denmark	1	400	Soc. St.	E	49.00	63	63
318.46	Introducing Denmark (color) A study of the economic and social conditions of Denmark with emphasis on its industries and way of life.	1	400	Soc. St.	E	100.00	63	63
318.5	Introducing The Brasses..... Describes and illustrates the musical characteristics and operating principles of a brass quintet. Members of the New York Brass Quintet introduce the trumpet, trombone, French horn and tuba.	2	825	Music	E-J-A-V	100.00	57.3	64
318.6	Introducing The Reptiles...	1½	612	Sci.	E-J-A	95.00	62.5	65
318.61	Introducing The Reptiles (color) Reptiles in United States. Where they live, what they eat, how they reproduce. Produced by New York Zoological Society.	1½	612	Sci.	E-J-A	180.00	62.5	65
319.3	Introduction To Animal Dissection (color) Provides the student with an overview of biological dissection. Explains the purpose of dissection and describes instruments and methods used in laboratory.	1	395	Sci.	A-CLC	120.00	57.8	66
319.5	Introduction to Electricity	1	400	Science	E	50.00	24.1	64
319.6	Introduction To Electricity (color)	1	400	Science	E	100.00	24.1	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
319.72	Introduction To English Literature	1½	481	English	A	75.00	53	64
320	Introduction To Fractions	1	400	Math.	E-J	60.00	59	65
320.1	Introduction To Fractions (color) Defines numerator and denominator. Relates improper fractions and mixed numbers to proper fractions. Gives several problems in determining the value of a fractional part.	1	400	Math.	E-J	110.00	59	65
320.8	Introduction To Optics (color) Deals with approximation that light travels in straight line, shows the four ways in which light can be bent — diffraction, scattering, refraction and reflection. E. P. Little, PSSC.	2	853	Sci.	A	240.00**	62.85	66
321.7	Introduction To Physics.....	1	400	Science	J-A-V	60.00	24.1	66
321.8	Introduction To Physics (color)	1	400	Science	J-A-V	110.00	24.1	66
321.83	Introduction To Reaction Kinetics, An Explains the reaction between hydrogen and chlorine, energy in chemical reactions, reactions between hydrogen and iodine, chemical equilibrium between (A) hydrogen and iodine, and (B) hydrogen and chlorine.	1½	481	Sci. (Advanced)	A	130.00	86.3	66
321.85	Introduction To The Stanford-Binet Test Of Intelligence The film will prove a material aid in professional training by illustrating the testing process, interpretation, and use of results.	2	750	Tch. Tr.		225.00**	89.4	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
321.9	Invader, The (color) Life cycle of the salmon and the main problems threatening their existence.	1	415	Sci.	E-J	100.00	73.02	65
322.02	Inventions In America's Growth (1750-1850)	1	400	Soc. St.	E-J	60.00	24.1	67
322.03	Inventions In America's Growth (1750-1850) (color) This is the first reel of a two-reel motion picture dealing with invention in the U.S.A. The period covered is from 1750-1850.	1	400	Soc. St.	E-J	110.00	24.1	67
322.04	Inventions In America's Growth (1850-1910)	1	400	Soc. St.	E-J	60.00	24.1	67
322.05	Inventions In Americas' Growth (1850-1910) (color) This is a survey of the important inventions in the United States between 1850 and 1910.	1	400	Soc. St.	E-J	110.00	24.1	67
322.06	Invisible Guardian (color) Gives parents a greater sense of responsibility for their childrens safety training, pre-school and school age.	2	645	Safety	6-9	200.00	57.8	66
322.07	Invisible Keystone, The..... The development, civil and criminal law, trial by jury, local representative government, etc. as English traditions handed down to the Commonwealth nations.	2½	1000	Soc. St.	A	100.00	62.5	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
322.08	Ionization & Ionic Equilibrium	1	571	Chem.	A	150.00	57.3	67
	Develops the concepts of electrovalent and covalent ionization, ionic equilibrium and the part played by the water dipole. Introduces the concepts of the unionization constant and buffered solutions.							
322.09	Iowa Reading Films College Series (Set)	15	2250	Lang. Art	Adv.	180.00	74.3	66
	Designed to improve reading rate through practice with material for which the rate of presentation is controlled. Rate of 1st film is 260 words per minute and 15th, 520 words per minute. Manual of instruction contains full texts of film and suggested comprehension tests.							
322.091	Iowa Reading Films High School Series (Set)	15	1680	Lang. Art	A	155.00	74.3	66
	Designed to improve reading rate through practice with material for which the rate of presentation is controlled. Manual of instruction contains full texts of films and suggested comprehension tests for each film.							
322.1	Iran (between two worlds)	1½	512	Soc. St.	J-A-V	75.00	39	66
322.11	Iran (between two worlds) (color)	1½	512	Soc. St.	J-A-V	150.00	39	66
	The history and development of Iran from its origin to the present day.							
322.4	Ireland: The Land and The People	1	400	Soc. St.	E-J	60.00	24.1	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
322.41	Ireland: The Land and The People (color) Presents an overview of Ireland—scenery, homes, people, industries, etc.	1	400	Soc. St.	E-J	110.00	24.1	63
322.55	Iron Curtain Lands (Post-Stalin Period)	1½	720	Soc. St.	J-A	90.00**	53.65	64
322.56	Iron Curtain Lands (Post-Stalin Period) (color).... An objective, authoritative, up-to-date survey of the Soviet Union and her European Empire. Emphasis is on Russia, but film contrasts conditions of satellite nations: Poland and Czechoslovakia.	1½	720	Soc. St.	J-A	175.00**	53.65	64
322.58	Iron From The North The development of the rich mineral area of Ungava is documented in this story of modern science and engineering brought to bear on a bleak and formidable land.	2	710	Soc. St.	E-J	90.00	64	65
322.6	Iron Ore Mining	1½	500	Soc. St.	E-J	62.90	1.11	66
322.61	Iron Ore Mining (color).... Maps showing location of iron ore deposits in United States: iron mines — surface operation described in detail: transporting ore to smelter.	1½	500	Soc. St.	E-J	125.40	1.11	66
322.7	Iron Product of The Blast Furnace	1	400	Soc. St.	E-J	50.50	1.11	64
322.71	Iron Product of The Blast Furnace (color)	1	400	Soc. St.	E-J	100.50	1.11	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
322.8	Irrational Numbers A new way of looking at and teaching irrational numbers, using concept of decimal fractions to arrive at a positive statement of what an irrational number is, rather than the usual negative statement of what an irrational number is not.	2	828	Math. Tch. Tr.		150.00	62.5	65
322.9	Irrigation	1½	600	Soc St.	5-12	85.00	62.5	63
322.91	Irrigation (color) Deals with all types of irrigation in the U.S.A. resulting in fertile farm lands reclaimed from dry desert land.	1½	600	Soc St.	5-12	190.00	62.5	63
323	Irrigation Farming	1	368	Sci. S.S.	J	60.00	39	64
323.6	Irving, Washington	2	631	Liter.	E-J-A-V	120.00	39	65
323.8	Is There Communication When You Speak Essentials of communication, such as, how to organize a speech, Articulation, pronunciation and language as well as appearance, posture, gesture and movements are outlined to a class of students.	2	800	Speech	A	95.20	62.5	63
324.1	Island Nation (Japan)	2	774	Soc. St.	J	110.00	89	66
324.15	Island Of Turtles On island of Australia's Great Barrier Reef a Large Turtle digs nest in sand and lays eggs. Young turtles hatch and scramble down beach to water.	1	246	Sci.	E	85.00	1.5	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
324.17	Isotopes (color) Present the most up to date scientific knowledge in a variety of complex fields. Brings to the classroom experimental techniques and apparatus generally beyond the scope of the school lab.	1	540	Physics	A	180.00	62.5	67
324.18	Israel (color) Overview of the growth of a new nation . . . a story of people who made that growth possible . . . a film of democracy in action . . . the reclamation of the worthless Negev . . .	1	360	Soc. St.	J-A	100.00	1.8	66
324.2	Israel	1	380	Soc. St.	J-A-V	36.00	39	63
324.21	Israel (color)	1	380	Soc. St.	J-A-V	103.20	39	63
✓ 324.23	Istanbul and Izmir (color) Compares the mixture of ancient and modern which appears throughout Western Turkey. Describes Istanbul and Izmir and points out that both cities are a meeting place between the Christian world of the West and the Moslem world of the East.	1	390	Soc. St.	E-J	130.00	57.8	67
✓ 324.25	It Didn't Have To Happen Importance of use of safeguards in working on machines is emphasized by pictures in a lumber plant. Two accidents help motivate the need for use of safeguards at all times.	1½	482	Shop — Safety	J-A-V	85.00	57.8	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
324.3	It Runs In The Family..... Examines the facts and fallacies connected with blood as a heredity carrier. Explains three sources of heredity information and some of results from studies in this area.	3	1065	Biology	A	125.00	57.3	67
324.4i	It Takes Everybody To Build This Land	2	755	Soc. St.	E-J	120.00	39	67
324.8	It's A Cat's Life	1	400	Sci.	E-C-E	90.00	48	65
	Care of kittens as pets.							
325.6	It's Fun To Read Books.....	1	400	Lang. Arts	E	60.00	24.1	66
325.6i	It's Fun To Read Books (color)	1	400	Lang. Arts	E	110.00	24.1	66
325.65	It's Up To You	1	400	T.T.	V	97.00	67.5	67
	Forceful industrial eye safety message includes eye surgery sequence. Recommended for industrial or other adult audiences.							
325.7	It's Your Library	1	400	Soc. St. Lang. Arts	E	55.00	61.8	65
325.7i	Italian Children	1	381	Soc. St.	E	60.00	39	66
325.72	Italian Peninsula	1	400	Soc. St.	E	60.00	24.1	66
325.73	Italian Peninsula (color)	1	400	Soc. St.	E	110.00	24.1	66
325.8	Italy—Peninsula of Contrasts (color)	1½	594	Soc. St.	E-J	168.00	39	63
325.85	I've Been There In A Book	1½	575	Lang. Art	E	150.00	20.55	64
	Two boys and their dog are presented in a translation of their adventures after reading The Journals of Lewis and Clark.							
325.86	Jack's Visit To Costa Rica	1	400	Soc. St.	J	50.00	24.1	63
325.86i	Jack's Visit To Costa Rica (color)	1	400	Soc. St.	J	100.00	24.1	63
325.87	Jackson, Andrew	2	637	Soc. St.	J-A-V	120.00	39	66
325.9	Jamestown	2	796	Soc. St.	J-A-V	120.00	39	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
325.91	Jamestown (color) _____ Historical re-enactment at the restoration at Jamestown. Depicts the settling of the colony, the hardships and the formation of the first government.	2	796	Soc. St.	J-A-V	240.00	39	64
326	Jamestown Colony, The _____	1½	600	Soc. St.	E	90.00	24.1	63
326.1	Jamestown Colony, The (color) _____ Journey to and settling of Jamestown, organization of colony, hardships, leadership of Capt. John Smith.	1½	600	Soc. St.	E	165.00	24.1	63
326.3	Jan Peerce and Nadine Conner _____	1	507	Music	J-A-V	100.00**	62.8	64
327.45	Japan (color) _____ Presents an overview of Japan — its geography, customs, rice growing, rice festival, land reform, education, sports, industries, and problem of economic survival.	3	959	Soc. St.	E-J-A-V	250.00**	58	63
327.47	Japan _____	1	295	Soc. St.	E	40.00	39	67
327.48	Japan (color) _____ Travelogue of modern Japan showing sports, religion and pageantry.	1	300	Soc. St.	E	110.00	39	67
327.5	Japanese Art _____ Exhibition of Japanese art-modern and ancient in Seattle Art Museum. Rare collection of miniature items. Techniques of Sumi painting demonstrated.	1	215	Art	J-A	30.00	72.3	66
327.61	Japanese Family _____ Story of a family of silk weavers of Kyoto. The film reports the everyday events of modern family life.	2	828	Soc. St.	J-A-V	130.00	62.5	67
327.63	Japanese Fishing Village, A _____	1½	450	Soc. St.	E-J	75.00	62.5	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
327.65	Japan—Land And People.....	1	400	Soc. St.	E-J	60.00	24.1	64
327.66	Japan—Land And People (color)	1	400	Soc. St.	E-J	110.00	24.1	64
327.67	Jascha Heifetz #103	2½	937	Music	J-A	200.00**	62.8	64
327.671	Jascha Heifetz #104	2½	929	Instr. Mu.	J-A-V	200.00**	62.8	64
327.677	Jean and Her Dolls (color)	½	247	Lang. Arts	E	60.00	39	63
327.68	Jefferson, Thomas	1	180	Soc. St.	J-A	25.00	72.3	65
	Recalling the career of Jefferson via a tour of Monticello, University of Virginia, and other monu- ments to his genius.							
327.7	Jefferson, Thomas — The Architect	1	398	Soc. St.	J-A-V	65.00	57.8	65
	Description of architec- tural contributions of Thomas Jefferson to the post-colonial period.							
327.77	Jenny's Birthday	1	232	Lang. Arts	E	45.00**	91.95	67
327.78	Jenny's Birthday (color) ..	1	232	Lang. Arts	E	90.00**	91.95	67
	Jenny, the cat, and her friends go on a birthday picnic and have a wonder- ful time.							
327.8	Jerry Joins Up (color)	1	400	Soc. St.	E-J-A-V	90.00	60	63
	The work of the Junior Red Cross as seen through Jerry's activities.							
327.82	Jerusalem: The Holy City (color)	1	370	Soc. St.	J	120.00	39	66
327.83	Jet and Rocket Engines	1	401	Sci.	J-A-V Ad	50.00	57.3	67
327.831	Jet and Rocket Engines (color)	1	401	Sci.	J-A-V Ad	100.00	57.3	67
	D e v e l o p s understanding of the action-reaction principle and demon- strates the operation of reaction engines in both an atmosphere and a vac- uum. Develops apprecia- tion of historical begin- nings.							

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
327.84	Jet Propulsion _____	1	452	Aviation— Physics— Ap. Phy.	A-V	60.00	39	63
327.841	Jet Propulsion (color) _____	1	452	Aviation— Physics— Ap. Phy.	A-V	120.00	39	63
327.85	Jetliner Captain _____	1	400	Soc. St.	5-6	65.00**	42.5	66
327.851	Jetliner Captain (color) _____ Follows an experienced pilot who returns to school to learn to fly jets. The film describes how jet airliners speed trans- portation in modern life.	1	400	Soc. St.	5-6	125.00**	42.5	66
327.87	Jimmy Visits The City _____	1	400	Soc. St. L. Arts	E	60.00	24.1	65
327.871	Jimmy Visits The City (color) _____ Farm boy visits city (Chicago) for first time. Film shows suburban area, elevated trains, downtown district of city, and a department store.	1	400	Soc. St. L. Arts	E	120.00	24.1	65
✓ 327.9	Joe & Roxy _____ Touches upon the many problems facing teenager. Going steady planning for secure future; seeing ed- ucation in proper per- spective, and learning to make adjustments of daily living.	3	1058	T.T. Guid.	J-A	135.00	57.8	64
328.1	Johnny Appleseed—A Legend of Frontier Life	1¼	500	Soc. St. Nat.	E	75.00	24.1	64
328.11	Johnny Appleseed—A Legend of Frontier Life (color) _____	1¼	500	Soc. St. Nat.	E	137.50	24.1	64
328.3	Journey Into Time _____	1¼	542	Sci.	J	75.00	85	65
328.31	Journey Into Time (color) _____ An animated film about the earliest days of our planet and the many crea- tures who lived on the earth before us.	1¼	542	Sci.	J	160.00	85	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
328.35	Juan Y Su Burrito Through story of Juan, a Mexican boy, and his donkey, Pepito, children learn the Spanish phrases for characteristics of rural Mexico.	1	400	Span.	E-J-A-V	60.00	24.1	66
328.4	Judy Learns About Milk ...	1	386	Health Soc. St.	E	55.00	62.5	64
328.42	Judy's Smile (color) Judy, a girl of primary school age, learns to take care of her teeth by brushing them properly and going to her dentist twice a year.	1	400	Health	E	90.00	76.8	65
✓ 328.7	Julius Caesar Act III, Scene I (color) Depicts one of the most famous scenes of this notable tragedy, the Forum scene which follows the assassination of Caesar and includes the superb Funeral Oration of Mark Antony.	1½	540	Lang.	A	100.00	57.8	67
329	Jumps And Pole Vault	1	410	Health Ed.	A	60.00	39	64
329.5	Jungle Plough (color) The story of a U.N. team operating in an area of Ceylon. We see how the representatives of FAO, WHO, etc., work with the people on a fundamental educational program to improve their living condition.	2½	1026	Soc. St.	J-A	300.00	39	64
330.3	Kangaroos	1	384	Sci.—Nat. Study	E	60.00	39	64
330.41	Keep Up With Your Studies	1	400	Guid.	E-J-A-V	60.00	24.1	65
330.42	Keep Up With Your Studies (color)	1	400	Guid. Lang. Art	E-J-A-V	120.00	24.1	65
330.6	Keeping Clean and Neat	1	392	Health Ed.	E	60.00	39	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
330.61	Keeping Clean and Neat (color) Emphasizes the social values of cleanliness and neatness and shows how these qualities can be achieved.	1	392	Health Ed.	E	120.00	39	67
330.8	Keeping Track of Our Animals Shows how game wardens at Banff National Park take care of and count animals such as sheep, deer, moose and bears; how wild horses are gathered in Virginia, how reindeer are gathered and inoculated in the Arctic, and how kangaroos are corralled in Australia.	1	250	Sci.	4-6	35.00	72.3	66
331	Kentucky Pioneer	1	396	Soc. St.	E	60.00	39	64
331.4	Kentucky Rifle	1	347	Soc. St.	E-J	55.25	5	64
332	Keys To Reading (Set of 3) 3 films in a series designed to improve students' reading comprehension & speed by giving attention to vocabulary, phrases, sentences & paragraphs.	3	1200	Lang. Art	E-J-A-V	225.00	20.3	66
332.2	Keys To The Library	1	500	Lang.	A-V Ad.	75.00**	61.1	67
332.21	Keys To The Library (color) A Library orientation film suitable for High School, Junior College or College use. "Keys" described are: Floor Plan; Card Catalog; Readers Guide to Periodical Literature and owner indexes; encyclopedias; dictionaries.	1	500	Lang.	A-V Ad.	150.00**	61.1	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
332.3	Kiddie Kaleidoscope Color sense and abstract design are presented in this little film for younger children. The film emphasizes "the conservation of materials, sharing with others, and simplicity of tools and materials."	½	190	Guid.-T.T.	E-C-E	60.00	63.5	66
333.05	Kindness To Others	1	400	Guid.	E	60.00	24.1	63
333.06	Kindness To Others (color) Sam is absent from school and his class remembers his kindness to them. They write to him and make him very happy.	1	400	Guid.	E	110.00	24.1	63
333.2	King of The River (color)	1	415	Sci.	E-J-A	100.00	73.02	64
333.5	Kittens, Birth and Growth	1	400	Sci.	K-3	50.00	3	63
333.51	Kittens, Birth and Growth (color) Four kittens are shown right after birth, and in growth until they are able to eat solid food.	1	400	Sci.	K-3	100.00	3	63
334.5	Korean People (color)..... Describes Korea, its geographical location, its economy, history and culture. Shows the Korean people as they were and as they now struggle to recover from the communist invasion of 1950.	1	396	Soc. St.	E-J	130.00	57.8	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
334.6	Korochan, The Little Bear A folk tale to compare with the three little bears story, this charming Japanese film describes the escapades of a fun-loving, disobedient baby bear named Korochan. Korochan's adventures provide a constructive learning experience for "little Korochans" all over the world.	1	400	Lang. Art	E	60.00	39	65
334.7	L'Arrive A Paris	1	400	French	A-V	60.00	46.5	63
✓ 334.9	La Champagne Detailed account of geography and industry of La Champagne. Especially good in second half where wine and textile industries are treated. Would be good used in connection with reading of text.	2	830	French	A	105.00	57.8	66
335	La Familia Sanchez	1	399	Spanish	A	60.00	39	66
335.01	La Famille Francaise Brunel Provides first & second year French language classes with A-V material for cultural enrichment, in addition to practice in aural comprehension, pronunciation, and oral recitation.	1½	612	French	J-A	97.50	62.5	66
335.02	La Gallinita Sabia (The Little Red Hen) Film retells, in simple Spanish, famous tale of a little red hen by use of combination of art and live action.	1	400	Span.	E-J-A-V	60.00	24.1	66
335.03	Labor Movement, The: Beginnings & Growth In America	1½	500	Soc. St.	J-A	75.00	24.1	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
335.031	Labor Movement, The: Beginnings & Growth In America (color) Traces the steps in the development of the organized labor movement from its post-civil war beginnings to the period just prior to World War I.	1 1/4	500	Soc. St.	J-A	150.00	24.1	65
335.07	Ladybird Story (color) The life of a ladybird and its use to man in eating harmful insects.	1	396	Sci.	E	110.00**	29	67
335.1	Lafayette' Soldier of Liberty The story of Lafayette's part in the Revolutionary War. It continues with his role in the French Revolution and ends with his death in 1834.	2	578	Soc. St.	J-A-V	120.00	39	66
335.4	Lake-Port--U.S.A., An Industrial	2	800	Soc. St.	E	110.00	89	64
335.45	Lament An ode on dance and poetry. The women dancers relate the story of the last encounter, death and burial of the bull fighter and sing his praises.	2	800	Health Ed.	A-V	80.00	24.04	65
335.46	Lands and Waters of Our Earth	1	400	Soc. St.	E-J	60.00	24.1	67
335.47	Lands and Waters of Our Earth (color) A father explains to his son various land and water forms; such as, valleys, streams, etc.	1	400	Soc. St.	E-J	110.00	24.1	67
335.5	Land Behind The Dikes (The Netherlands)	2	800	Soc. St.	E	110.00	89	64
335.504	Land of Falling Waters (color) Shows various waterfalls in the world, and tells of peoples and industries in these lands.	1	400	Soc. St.	5-6	115.00	62.7	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
335.51	Land of Liberty (Pt. 1, 2, 3, 4) _____ Pt. 1 — U.S. History from the French and Indian War to the purchase of Louisiana. Pt. 2 — The U.S. 1805 — 1860. Pt. 3 — 1860 — 1890. Pt. 4 — The U. S. 1890-1938.	8	3200	Soc. St.	E-J-A-V	180.00***	87	67
✓ 335.58	Land of The Long Day _____	4	1366	Soc. St.	E-J	185.00	57.8	66
✓ 335.59	Land of The Long Day (color) _____ The coming of the summer enables the Eskimo hunter to emerge from his winter home and to hunt the seal and whale. The cycle of seasonal changes and its effect on plants and animals and on the family life of the inhabitants is described.	4	1366	Soc. St.	E-J	320.00	57.8	66
✓ 335.595	Language of Algebra (color) _____ Language of Algebra defines symbols, surveys their familiar applications in a modern world and illustrates their role in mathematics.	1½	570	Sci.	J	175.00	57.8	66
335.6	Language of Graphs, The _____	1½	500	Math.	E-J	62.50	24.1	64
335.7	Language of Graphs, The (color) _____	1½	500	Math.	E-J	125.00	24.1	64
340.2	Laplanders _____	1	329	Soc. St.	E-J	60.00	39	67
✓ 340.3	Lascaux: Cradle of Man's Art (color) _____ The film opens by recreating the circumstances of the Lascaux Cave paintings discovered in the Dardogne region in France; cavern walls covered with forms of animals.	1½	615	Art	J-A-V	195.00	57.8	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
340.4	Last Leaf The O. Henry story of a sick girl artist who becomes convinced that when the last leaf drops from an ivy vine across the courtyard, she will die. Her sister tells an artist who paints a realistic ivy leaf on the courtyard wall. The sick girl believes the leaf to be real, rallies and lives.	2	800	L. Arts	J-A	60.00***	87	67
340.45	Latin America: An Introduction	1	400	Soc. St.	E-J	60.00	24.1	67
340.451	Latin America: An Introduction (color) Common bonds of history, traditions, religion, and language that people share are presented as key ideas in understanding meaning of Latin America.	1	400	Soc. St.	E-J	110.00	24.1	67
340.5	Latitude and Longitude (color)	1	325	Soc. St.	E-J	90.00	89	63
341.1	Launching the New Government (1789-1800)	1½	500	Soc. St.	J-A-V	75.00	24.1	64
341.11	Launching the New Government (1789-1800) (color)... The problems confronting the new government from 1789-1800 and the events of that period as reported by a newspaper man of the time.	1½	500	Soc. St.	J-A-V	137.50	24.1	64
341.5	Lava and The River The film explores the great tracks of geological time in the eroded basalt banks of the Columbia River. It exposes petrified logs, dry falls, and a prehistoric rhinoceros entombed by lava flows.	2	720	Sci.	J-A	225.00	63.5	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
341.55	La Vie Dans Une Ferme Francaise (Life On A French Farm) Visiting the Duval family reveals many aspects of French farm life similar to those in our own country.	1	400	French	A-V	60.00	24.1	66
342.3	Law and Social Controls.....	1	400	Soc. St. Civic Govt.	J-A-V	60.00	24.1	65
342.4	Law and Social Controls (color)	1	400	Soc. St. Civic Govt.	J-A-V	120.00	24.1	65
342.6	Law Is Made, A The film is narrated by Sen. J. Clark of Penna., who introduced the bill with which this film is concerned. An animated chart explains the steps through which a bill goes to become a law.	3	1008	Soc. St.	A	170.00	62.5	66
343	Laws of Gases	1	400	Phys.	A	60.00	24.1	64
343.1	Laws of Gases (color) The operation of jet engines, refrigerators, steam turbines, etc., depend on the gas laws. The Kinetic Theory is used to explain Boyle's, Charles' combined gas laws and Avogadro's hypothesis.	1	400	Adv. Chem.	A	110.00	24.1	64
343.7	Laws of Motion	1	460	Sci.	J	60.00	39	64
343.71	Laws of Motion (color) Newton's three laws of motion and important events leading to their discovery.	1	460	Sci.	J	120.00	39	64
345	Laying Out Small Castings	1½	575	Machine	Sh. V	36.86	71	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
345.05	Le Petit Chapeon Rouge (color) Presents the story of Little Red Riding Hood with a simple French narration and review. Every noun, adjective and verb is visualized by the appropriate object or action the scene. Beginning French pupils can follow the familiar story as they learn French by hearing it.	1½	504	Fr.	E-J	140.00	43	67
345.08	Le Vilain Caneton (The Ugly Duckling) Famous Hans Christian Andersen story retold in clearly understood French.	1	400	French	E-J-A-V	60.00	24.1	66
345.1	Learn To Argue Effectively	1	400	Guid.	E-J-A-V	60.00	24.1	66
345.11	Learn To Argue Effectively (color)	1	400	Guid.	E-J-A-V	110.00	24.1	66
345.15	Learning About Bears	1	360	Lang.Art. Sci.	K-6	60.00	39	66
345.151	Learning About Bears (color) Shows habits and characteristics of black bear and training cub receives from mother.	1	360	Lang. Art. Sci.	K-6	120.00	39	66
345.2	Learning About Electric Current Summary of the generation and use of electricity, including some elementary principles; wires in a home are traced to a generating station: simple experiments such as a closed and open circuit and how to make an electron magnet.	¾	290	Sci.	E	45.00	39	66
345.25	Learning About Flowers	1	376	Sci.	E	60.00	39	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
345.26	Learning About Flowers (color) _____ By means of time lapse photography, the opening of flower buds is shown. The petals are shown withering and then the ovary develops into a fruit. Seeds are shown being planted. A seedling is shown breaking its way through the ground.	1	376	Sci.	E	120.00	39	63
345.27	Learning About Leaves	1	400	Sci.	E-J-A-V	60.00	39	64
345.28	Learning About Leaves (color) _____ Explains with time lapse photography animation and skillful closeups, how leaves are important to plants, animals, and and man.	1	400	Sci.	E-J-A-V	120.00	39	64
345.3	Learning About Heat..... Transmission of heat by conduction, convection and radiation is explained and the value of heat as a form of energy summarized.	¾	280	Sci.	E-J	45.00	39	66
345.31	Learning About Light	¾	292	Sci.	J	45.00	39	66
	By a series of scenes and commentary a general review of the elementary facts about light is presented — some objects reflect light, others give off light. Light travels in straight lines. Transparency, translucency and opaqueness are taken up.							
345.32	Learning About Sound	¾	381	Sci.	E	45.00	39	66
	Simple explanation of the topic sound—how it may be produced; how sounds are made louder and softer; how sound is carried, etc.							

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
345.4	Learning About Our Bodies	1	400	Hygiene	E-J	60.00	24.1	67
345.41	Learning About Our Bodies (color)	1	400	Hygiene	E-J	110.00	24.1	67
	Animations and x-ray are employed to visualize the structure of the body. Fat, muscles, bone and major regions of the body are shown. X-ray shows how we breathe.							
345.45	Learning About Seeds	1	400	Sci.	K-6	60.00	39	66
345.451	Learning About Seeds (color)	1	400	Sci.	K-6	120.00	39	66
	Shows different kinds of seed-bearing plants. Time-lapse photography shows how seeds grow. Seed dispersal is also illustrated.							
345.5	Learning About Your Nose	¾	280	Health Inst.	E-J	45.00	39	66
345.51	Learning About Your Nose (color)	¾	280	Health Inst.	E-J	90.00	39	66
	Pictorial presentation of functions of the nose as a sterilizer, cleanser, air conditioner and humidifier of the air we breathe. Suggestions are given that should lead to better health habits.							
345.57	Learning French The Modern Way (Films Only)	1	180	French	A	315.00	62.5	67
345.571	Learning French The Modern Way (Films Only) (color)	1	180	French	A	625.00	62.5	67
	Series consists of 14 motion pictures. This is the first comprehensive basic French course which combines all the modern tools of teaching into an integrated & completely flexible program.							

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
345.61	Learning From Class Discussion	1	400	Soc. St., Tch. Tr.	E-J-A-V	60.00	24.1	65
345.62	Learning From Class Discussion (color)	1	400	Soc. St., Tch. Tr.	E-J-A-V	120.00	24.1	65
345.64	Learning From Disappointments	1	400	Guid.	E	60.00	24.1	67
345.641	Learning From Disappointments (color) Ed, Francine, and Gary are not chosen for the roles they wanted in the school history pageant; they overcome their disappointment in various ways.	1	400	Guid.	E	110.00	24.1	67
345.671	Learning Spanish The Modern Way (Films only)	1	144	Spanish	A	280.00	62.5	67
345.672	Learning Spanish The Modern Way (Films Only) (color) Series consists of 10 films. An audio lingual program with primary emphasis on comprehension & speaking, secondarily on reading and writing.	1	144	Spanish	A	560.00	62.5	67
345.695	Learning To Set Type For beginning printshop students—shows how to select, set, and distribute type.	1	400	Voc.	J-V	60.00	3	65
345.7	Learning To Study Steps in learning how to study are shown in detail.	1½	496	Guid.	J-A-V	75.00	39	65
345.8	Learning To Swim Shows the techniques of swimming the Australian Crawl. Correct position, motion and proper sequence of learning steps are explained.	1	369	Swimming	E-J-A-V	60.00	62.5	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
346	Leaves	1	396	Biology	E	60.00	39	64
346.4	Lee, Robert E. Back-ground Study of	1½	600	Soc. St.	J-A-V	90.00	24.1	64
346.41	Lee, Robert E. Back-ground Study of (color)	1½	600	Soc. St.	J-A-V	165.00	24.1	64
346.6	Lentil	1	313	LA	E	50.00**	91.95	63
346.61	Lentil (color) Lentil saves the day for the town by playing his harmonica.	1	344	LA	E	100.00**	91.95	63
346.68	Leonardo da Vinci	2¼	888	Art	J-A-V	135.00	39	63
346.69	Leonardo da Vinci (color) Life and works of da Vinci from age 16 until his last years. Many of the most famous accomplishments are shown.	2¼	888	Art	J-A-V	270.00	39	63
346.7	Les Sylphides Ballet Danced by Ulanova Music by Chopin Symphony Orchestra of London Muir Matheison conducting	¾	170	Health	J-A-V	55.00	12	64
346.73	Les Trois Ours	1¼	553	French	E-J	75.00	43	66
346.731	Les Trois Ours (color) Presents the story of "The Three Bears" with a simple French narration and review. Beginning French pupils can follow the familiar story as they learn French by hearing it.	1¼	553	French	E-J	140.00	43	66
346.75	Lesson In The Symphony, A In Australia, Professor Bernard Heinze uses the Symphony Orchestra of Sydney to demonstrate the functions of each section that makes up an orchestra.	1	250	Music	E-J-A	35.00	72.3	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
346.8	Let's Be At Home In the Water	1	396	Safety	E-J	55.00	73.5	66
346.81	Let's Be At Home In the Water (color) Presentation of activities in a life saving and an elementary swimming class, both sponsored by Red Cross. Typical lake situations are presented. Wrong practices are shown and dangers pointed out.	1	396	Safety	E-J	100.00	73.5	66
346.9	Let's Be Clean and Neat.....	1	400	Hlth. Ed.	4-6	60.00	24.1	63
346.91	Let's Be Clean and Neat (color) Depicts health habits dealing with cleanliness and personal hygiene, emphasizing bathing, grooming and general habits of cleanliness.	1	400	Hlth. Ed.	4-6	110.00	24.1	63
347.1	Let's Be Good Citizens at The Library Children learn about the wealth of material available to them in the library and the need for proper care of books.	1	370	Guid.	E	55.00	53	65
347.2	Let's Be Good Citizens in the Neighborhood	1	358	Guid.	E	49.50	53	64
347.3	Let's Be Safe At Home —	1	385	Safety	E-J	55.00	73.5	66
347.31	Let's Be Safe At Home (color) "By being alert we won't get hurt" is the theme of this reel. Typical situations involving children in the home that are likely to lead to accidents. Accent is on proper attitudes to avoid accidents.	1	385	Safety	E-J	100.00	73.5	66
347.35	Let's Build A House	1	400	Soc. St. Lang.Art	E	60.00	21.4	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
347.351	Let's Build A House (color) _____ Faith, her father and Mark build a playhouse. Become aware of why concrete, brick, wood, glass and iron are used for different parts of the house.	1	400	Soc. St. Lang.Art	E	110.00	21.4	66
347.4	Let's Dance _____	1½	500	Health Ed.	J-A-V	75.00	24.1	65
347.41	Let's Dance (color) _____ Starting with the proper manner of walking and standing, the film proceeds to show in a clear and simple manner how to hold one's partner, the seven basic dancing positions, how to lead and follow, the pattern of a typical dance step, and proper etiquette on the dance floor.	1½	500	Health Ed.	J-A-V	150.00	24.1	65
347.45	Let's Discuss It _____ An English class analyzes a recent discussion to determine why it did not produce the results desired.	1	324	Lang. Art	5-6	60.00	62.5	64
347.48	Let's Go To The Movies..... Milestones of motion picture history are presented in this overall picture of the background and technical advances made by the motion picture industry.	1	400	English	J-A	17.50***	87	67
347.51	Let's Have Fewer Colds.....	1	400	H. Ed.	E-J-A-V	60.00	24.1	66
347.511	Let's Have Fewer Colds (color) _____	1	400	H. Ed.	E-J-A-V	110.00	24.1	66
347.53	Let's Look at Elephants..... Differences between African and Asian elephant; African elephants shown feeding, bathing, drinking and playing in sand and water.	1½	576	Soc. St.	E-J	85.00	62.5	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
347.54	Let's Look At Levers.....	1	370	Sci.	3-4	55.00**	59.5	67
347.541	Let's Look At Levers (color) Student is shown how levers help perform work beyond the strength of man. How levers help us lift, pry and move, hold, pinch and cut, weigh and measure.	1	370	Sci.	3-4	110.00**	59.5	67
347.55	Let's Measure: Ounces Pounds, Tons	1	400	Math.	E	60.00	24.1	67
347.56	Let's Measure: Ounces, Pounds, Tons (color) The concepts of ounces, pounds and tons were de- veloped.	1	400	Math.	E	110.00	24.1	67
347.57	Let's Measure: Pints, Quarts and Gallons	1	400	Math.	E	60.00	24.1	63
347.58	Let's Measure: Pints, Quarts and Gallons (color) Relationships between pints, quarts and gallons demonstrated on an ele- mentary exponential basis.	1	400	Math.	E	110.00	24.1	63
347.68	Let's Measure: Inches, Feet and Yards	1	400	Math.	E	60.00	24.1	64
347.69	Let's Measure: Inches, Feet and Yards, (color)	1	400	Math.	E	110.00	24.1	64
347.71	Let's Play Fair	1	400	Guid.	E	60.00	24.1	65
347.72	Let's Play Fair (color)	1	400	Guid.	E	120.00	24.1	65
347.77	Let's Share With Others.....	1	400	Guid.	E-J	60.00	24.1	65
347.78	Let's Share With Others (color)	1	400	Guid.	E-J	120.00	24.1	65
347.79	Let's Stop and Go Safely	1½	610	Safety	E-J	85.00	73.5	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
347.791	Let's Stop and Go Safely (color)	1½	610	Safety	E-J	145.00	73.5	66
	A conference between a traffic policeman and a class brings out the reason for traffic rules. Each rule is pictured and the necessary underlying attitude of pedestrian or driver brought to the attention of the viewer. The development of the idea that everybody must become his own policeman if he is to be a good citizen.							
347.8	Let's Take a Walk Along the Brook (color)	1	350	Nature	E	110.00	53	65
	Mother and two children walk along a brook; watch minnows, crayfish, other inhabitants of the brook and birds along the shore.							
347.83	Let's Take a Walk in the High Country (color)	1	389	Sci.	4-6	100.00	53	63
	Three girls take a walk in the high country of California and observe a number of the characteristic plants and animals of the region such as mules ear flowers, fir trees, laborador tea.							
347.84	Let's Take a Walk in the Meadow to Watch Some Birds (color)	1	352	Sci.	E	110.00	53	63
	A girl and her mother set up a blind in a meadow and watch some of the bird life; Red Wing Black Bird, Meadow Lark, Quail, Blue Jay, Grossbeak. On the way out they see cows, horses, sheep, bees, butterflies and some of the flowers.							

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
347.85	Let's Take a Walk in the Woods (color) _____ Two boys with their father visit a woods. They notice and examine some of the characteristic life of the forest.	1	330	Sci.	4-6	110.00	53	63
347.88	Let's Talk About Films — An approach to film discussion, showing some of the problems encountered and how they may be overcome.	2	657	Tch.Tr.	A-V	90.00	64	65
347.92	Let's Think and Be Safe_____	1	380	Safety	E-J	55.00	73.5	66
347.93	Let's Think and Be Safe (color) _____ A classroom situation is depicted in which the teacher starts by telling the children to put on their "thinking caps." A series of cartoons show accidents happening as a result of thoughtlessness. After putting on the thinking cap the child handles the situation in a safe manner.	1	380	Safety	E-J	100.00	73.5	66
347.99	Letter From Alaska (color) _____ Alaska as it is today. The Alcan Highway, the methods of transportation, the people, the cities, the industries, the geography and the climate of Alaska are all viewed.	2	717	Soc. St.	E-J	176.50**	70.5	64
348	Letter To Grandmother (Story of U.S. Mail) _____	1½	700	Soc. St.	E-J	87.50	24.1	66
348.001	Letter Writing For Beginners _____	1	400	L.A.	E	60.00	24.1	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
348.002	Letter Writing For Beginners (color) Pat, Susan, and Eddie learn about the five parts of a letter, indented and block form, the use of capital letters and punc- tuation, and how to ad- dress an envelope.	1	400	L.A.	E	110.00	24.1	67
348.02	Lettering Instructional Materials	2	720	TT		75.00	57.3	67
348.03	Lettering Instructional Materials (color) Various methods of let- tering-rubber stamp, gum- med letters (paper and plastic) wooden letters, molded tile, flannel cut- outs, stencils, brush or pen, mechanical aids etc.	2	720	TT		150.00	57.3	67
348.05	Lever, The The lever machine is thor- oughly explained and demonstrated by animat- ed drawing and experi- ments.	1	420	Sci.	E-J-A-V	55.00**	62.5	63
348.1	Lewis and Clark	2	611	Soc. St.	E	120.00	39	66
348.15	Liberty and Justice For All Important trials affecting the rights of individuals; e.g., trials of Susan B. Anthony, rights of work- ingmen, Jehovah's Wit- nesses, etc.	5¼	2160	Soc. St.	A-V	150.00	62.5	67
348.17	Library of Congress	2	761	Soc. St., Eng.	J-A	41.59	71	67
348.21	Library Organization	1	400	Lang.Arts	J	60.00	24.1	66
348.22	Library Organization (color)	1	400	Lang.Arts	J	110.00	24.1	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
348.235	Library Research In High School (color) Basic information on location and use of research material in the Junior and Senior High School Library. Suggested Techniques for the use of the Encyclopedia, the dictionary, the card catalog, the readers guide, and the pamphlet file.	1	400	Lang.	E-J-A	125.00**	61.1	67
348.24	Library Story, The (color)	1½	503	Lang.Arts, Soc.St.	J-A-V	150.00	39	63
348.241	Life in a Drop of Water.....	1	400	Sci.	J-	60.00	24.1	64
348.242	Life in a Drop of Water (color) Uses microphotography to show the simplest plant and animal forms — amoeba, paramecium, spirogyra. Shows how they get food, move and reproduce.	1	400	Sci.	(Unit 81.3c	110.00	24.1	64
348.245	Life Among the Penguins..... Documentary filmed in Antarctic tracing a year in the life of the penguin.	2	800	Sci. Soc.St.	K-6	110.00	12	64
348.26	Life and Times of the Iron Horse Deals with the period 1830-1870, illustrates the need for and the development of the steam locomotive and steel rails, culminating in our trans-continental railroad.	1	396	Soc.St.	J	70.00	62.5	65
348.264	Life Before Birth Film follows growth of single cells to complex organisms and shows cellular differentiation—marked difference of every cell and embryo.	2½	962	Bio.	A-V CLC	135.00	20.5	65
348.27	Life In A Pond	1	400	Sci	E	60.00	24.1	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
348.28	Life In A Pond (color) _____	1	400	Sci.	E	110.00	24.1	64
348.31	Life Cycle of a Frog _____	1	400	Gen.Sci., Bio.	J-A	55.00	89	64
348.32	Life Cycle of a Plant _____	1	382	Sci.	J	55.00	89	66
348.51	Life Cycle of the Fly _____	1	400	Sci.	J-A-V	45.00	89	63
348.55	Life In a Coal Mining Town _____	1	400	Soc.St.	E	60.00	24.1	66
348.56	Life In a Coal Mining Town (color) _____ A portrayal of the daily activities of a family in a coal town. Shows how life is built about the coal mine. Basic occupations of the coal town are shown.	1	400	Soc.St.	E	110.00	24.1	66
348.58	Life In An Aquarium _____	1	375	Sci.	E	60.00	62.5	65
348.6	Life In Ancient Greece: Home and Education _____	1½	500	World Hist.	A	75.00	24.1	65
348.61	Life In Ancient Greece: Home and Education (color) _____ Recreates a day in the life of a Greek family, includ- ing home life, a typical occupation and the educa- tion of children in the Greek city state of Athens during the age of Pericles (461-429 B.C.)	1½	500	World Hist.	A	150.00	24.1	65
348.62	Life In Ancient Greece: Role of the Citizen _____	1	400	World Hist.	A	60.00	24.1	65
348.63	Life In Ancient Greece: Role of the Citizen (color) _____ Presents a living, dynam- ic picture of the economic and political life in the golden age of Pericles, emphasizing both the pri- vileges and responsibili- ties of citizenship.	1	400	World Hist.	A	120.00	24.1	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
348.725	Life In Grasslands (Argentine Pampas)	1	400	Soc.St.	E-J	60.00	24.1	67
348.726	Life In Grasslands (Argentine Pampas) (color)	1	400	Soc.St.	E-J	110.00	24.1	67
	With a visit to the estancia of Senor Molinos and family, we become acquainted with family and community life on one of world's representative grasslands.							
348.73	Life In Haiti (color)	1½	637	Soc.St.	E-J-A-V	150.00**	29	67
	Life in Haiti with emphasis on major crops and modes of living.							
348.753	Life In Hot Rain Forests (Amazon Basin)	1½	500	Soc. St.	E-J	75.00	24.1	67
348.754	Life In Hot Rain Forests (Amazon Basin) (color)	1½	500	Soc. St.	E-J	137.50	24.1	67
	This film explains climatic factors that cause tropical rain forests; how people along the Amazon River adapt themselves to this kind of environment.							
348.76	Life In Hot, Wet Lands (Congo Basin)	1	400	Soc.St.	E	60.00	24.1	65
348.77	Life In Hot, Wet Lands Congo Basin (color).....	1	400	Soc.St.	E	120.00	24.1	65
348.81	Life In Lowlands	1	400	Soc.St.	E-J	60.00	24.1	65
348.82	Life In Lowlands (color)	1	400	Soc.St.	E-J	120.00	24.1	65
348.85	Life In Mts.—Switzerland	1	400	Soc.St.	E-J	60.00	24.1	65
348.86	Life In Mts.—Switzerland (color)	1	400	Soc.St.	E-J	120.00	24.1	65
348.88	Life In Morocco (color)	1	394	Soc.St.	E-J-A-V	110.00**	29	67
	Life in present day Morocco with its colorful markets, its century old customs, and its fine traditions of craftsmanship.							
348.9	Life In Northern Lands—Norway	1	400	Soc.St.	E	60.00	24.1	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
348.91	Life In Northern Lands— Norway (color) _____ Emphasis on geographic features of a port in Norway, stressing climatic conditions and altitude and their effect on farming, fishing and family life.	1	400	Soc.St.	E	120.00	24.1	65
348.95	Life In Norway _____ Presentation of life in Norway, effect of sea and climate on life, the fjords, the shipping industry, life in typical Norwegian communities.	1	400	Soc.St.	E	110.00**	29	64
349	Life In Old Louisiana _____	1	400	Soc.St.	E-J	60.00	39	65
349.1	Life In the Alps (Austria)	1	400	Soc.St.	E	60.00	24.1	64
349.11	Life In the Alps (Austria) (color) _____ Haying, gardening, lumbering, and particularly grazing are the activities that fill the lives of people living on the high slopes of the Austrian Alps.	1	400	Soc.St.	E	110.00	24.1	64
349.21	Life In a Pond _____	1	400	Sci.-Bio.	J-A-V	60.00	24.1	65
349.22	Life In a Pond (color) _____	1	400	Sci.-Bio.	J-A-V	120.00	24.1	65
349.23	Life In the Nile Valley _____	1	400	Soc.St.	E	60.00	24.1	63
349.24	Life In the Nile Valley (color) _____	1	400	Soc.St.	E	110.00	24.1	63
349.25	Life In The Desert _____	1	383	Sci. Soc. St.	E	60.00	39	65
349.251	Life In the Desert (color) _____ Animal and plant life in North American desert, the struggle for survival against heat and lack of water.	1	383	Nature	E-J	120.00	39	65
349.26	Life In The Grasslands _____	1	385	Sci.	E	60.00	39	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
349.27	Life In The Grasslands (color) _____ Flying hawk, meadow mouse, baby rabbit, skunks, blackbird, meadowlark (black V on breast,) prairie dogs, burrowing owl, ants, bees, grasshopper, coyote, antelope, bison, cow birds.	1	385	Sci.	E	120.00	39	65
349.29	Life In The Forest (color) _____ This film gives a general picture of a forest and its animal life. The forest is compared to a city with different dwelling places, and the animals are like the citizens of a city.	1	390	E.Sci.	E	120.00	39	66
349.3	Life In The High Andes.....	1	400	Soc.St.	E-J	60.00	24.1	67
349.301	Life In The High Andes (color) _____ Visiting an Indian family living in a mountain valley in Peru, we learn how life in high mountain regions is affected by altitude and climate.	1	400	Soc.St.	E-J	110.00	24.1	67
349.31	Life in the Sahara (color) _____	1½	523	Soc.St.	E	180.00	39	64
349.35	Life in Cold Lands _____	1	400	Soc.St.	E	60.00	24.1	67
349.36	Life in Cold Lands (color) _____ Depicts daily life of a family in Unalakleet in northern Alaska at present time.	1	400	Soc.St.	E	110.00	24.1	67
349.4	Life in the Ocean _____	1½	574	Sci.	J	85.00	43	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
349.41	Life in the Ocean (color) _____ Film shows examples of many forms of sea life starting with diatons and carrying through to seals and porpoises. All species filmed in California Oceanarium. Examples shown are star fish, sea horse, anemone, urchin, worm cowrie, slug, fish, turtle, sea lion.	1½	588	Sci.	J	160.00	43	66
349.6	Life in the Sea _____	1	375	Sci.	(J-	60.00	39	64
349.61	Life in the Sea (color) ____ Classifies sea life as to plankton, bottom dwellers and free swimmers. Shows how sea life obtains food, breaths, protects itself and reproduces.	1	375	Sci.	(Unit (72.1	120.00	39	64
350.5	Life of a Plant (color) ____	1	398	Science	J	120.00	39	66
350.7	Life of a Primitive People	1½	500	Soc. St.	E-J-A-V	75.00	24.1	67
350.71	Life of a Primitive People (color) _____ This film depicts the life and times of primitive African peoples.	1½	500	Soc. St.	E-J-A-V	137.50	24.1	67
	Life in Great Britain Series:							
350.8	British Mill Owner (color) _____ The work, family life and leisure time activities of a British mill owner.	1½	500	Soc.St.	E-J-A-V	130.00**	58	63
350.81	Oxford Student (color) ____ Depicts architecture, history, and traditions of Oxford which was founded in the middle of the 12th Century.	1½	500	Soc.St.	J-A	130.00**	58	63
350.82	Scottish Miner (color) ____ A cross section of England's coal industry.	1½	500	Soc.St.	E-J-A-V	130.00**	58	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
351.1	Life of a Philippine Family _____	1	400	Soc. St.	E-J	60.00	24.1	63
351.11	Life of a Philippine Family (color) _____ A rural Philippine family's way of life as seen through the activities of a boy and girl through a typical day of school, shopping, working and playing.	1	400	Soc. St.	E-J	110.00	24.1	63
351.51	Life of Nomad People _____	1	400	Soc. St.	E-J	60.00	24.1	65
351.52	Life of Nomad People (color) _____	1	400	Soc. St.	E-J	120.00	24.1	65
352	Life of Thomas A. Edison (color) _____ The life story of Thomas A. Edison is portrayed.	3	1200	Soc.St.	J-A-V	300.00	1.15	67
352.1	Life of Emile Zola _____ The trial of Emile Zola after his defense of Dreyfus.	3	1200	Soc.St.	J-A-V	90.00***	87	63
352.2	Life On A Dead Tree _____	1	371	Sci.	E-J	60.00	43	66
352.21	Life On A Dead Tree (color) _____ Two children have found an old dead tree in the woods. As they explore it, they find that it is the home of many different plants and animals: lizards, beetles, crickets, slugs, fungus plants, tree salamanders, ants, gopher snakes, and many other living things.	1	371	Sci.	E-J	110.00	43	66
352.31	Life on a French Farm _____	1	400	Soc. St.	E-J	60.00	24.1	63
352.32	Life on a French Farm (color) _____ Life of a French farm family, the Duvals, and their daily tasks.	1	400	Soc. St.	E-J	110.00	24.1	63
352.35	Life on a Cattle Ranch _____	1	400	Soc. St.	E	60.00	24.1	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
352.36	Life on a Cattle Ranch (color) _____ We join Tommy in his chores and pleasures while raising and selling cattle. The problems of caring for and feeding the cattle and a few rodeo scenes are shown.	1	400	Soc. St.	E	110.00	24.1	66
352.4	Life on a Sheep Ranch _____	1	400	Soc.St.	E	60.00	24.1	66
352.41	Life on a Sheep Ranch (color) _____ Picture develops essential character of sheep ranching. It shows the integration of economics with ranch's seasonal activities.	1	400	Soc.St.	E	110.00	24.1	66
352.6	Life and Times of A Balloon (color) _____ Balloon lost by child in park — drifts over pond, cottage, woods, ocean. Musical background sets mood.	1	382	Lang.Arts	E	120.00**	28.14	66
352.7	Life Along The Waterways (color) _____ The plant and animal life that lives along the banks of a typical stream. The gradual expansion of the stream into a river as it winds its way to the sea.	1	411	Sci.	E-J	120.00	39	67
352.8	Life On The Western Marshes _____	1½	532	Sci.	5-6	75.00	64	65
352.81	Life On The Western Marshes (color) _____ Story of the hazardous life of wild ducks and geese, and what man is doing to preserve them. Color close-ups show details of birds' plumage.	1½	532	Sci.	5-6	150.00	64	65
353	Life With Baby _____	1½	648	H.Eco.	J-A-V	95.20	62.5	63
353.21	Life With Grandpa _____	2	600	Soc. St. Science	A-V	90.00	62.5	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
353.23	Life With Junior	2	671	Soc.Sci. Parent Gr.,Guid.	E-J-A-V	95.00	62.5	65
353.25	Light (First Principles And Reflection)	1	338	Science	A	60.00	89	66
353.26	Light and Color (color) A simple experiment with two frying pans, one dark, the other light shows dra- matically what effect color can have on our daily lives.	1½	495	Sci.	Gr 9 Unit 2	150.00	39	67
353.28	Light and Dark (color) Children experiment with light and dark objects to find out what value is, what it does, and how it makes them feel.	½	202	Art	E-J-A-V	60.00	39	65
353.3	Light and Heat	1	350	Science	E	55.00	53	66
353.31	Lighthouse (color)	1	412	Soc.St.	E	120.00	39	63
353.32	Light Sensitive Materials (color)	2	800	Photo.	J-A-V	135.86	71	67
353.35	Light All About Us	1	400	Sci.	E	60.00	24.1	63
353.36	Light All About Us (color)	1	400	Sci.	E	110.00	24.1	63
	By means of a story that takes the viewer to an air- port several basic princi- ples of light are presented. A few simple experiments are performed to illus- trate these principles.							
353.37	Light: Illumination and Its Measurement	1½	500	Science	A-V	75.00	24.1	67
353.371	Light: Illumination and Its Measurement (color) Description of natural and artificial light relat- ing to atomic excitation. Luminous intensity, flux and illumination are pic- torially defined and re- lated.	1½	500	Science	A-V	137.50	24.1	67
353.38	Light: Reflection	1½	500	Science	J-A	75.00	24.1	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
353.381	Light: Reflection (color)..... Laws of Reflection and formation of images are shown in detail; film illustrates different types of reflection and demonstrates formation of real and virtual images.	1¾	500	Science	J-A	137.50	24.1	67
353.39	Light: Refraction	1¾	500	Science	J-A	75.00	24.1	67
353.391	Light: Refraction (color)..... How and why light is refracted when it passes from one substance into another is illustrated by laboratory demonstration and animation.	1¾	500	Science	J-A	137.50	24.1	67
353.40	Light: Wave and Quantum Theories	1¾	500	Sci.	J-A	75.00	24.1	67
353.401	Light: Wave and Quantum Theories (color)	1¾	500	Sci.	J-A	137.50	24.1	67
	Clearly and simply demonstrates the accepted theory of light as consisting of both a wave motion and of discrete bundles, or quanta, of energy.							
353.44	Lighter Than Air	1	450	Sci.	5	70.00	73.02	64
	The history of balloons and their growth into dirigibles and zeppelins, as compared to heavier than air craft. Shows the use of the zeppelin and plane during World War I and its development into trans Atlantic travel.							
353.46	Lima, Capital of Peru	1	380	Soc.St.	E-J	65.00	57.8	66
353.47	Lima, Capital of Peru (color)	1	380	Soc.St.	E-J	130.00	57.8	66
353.7	Lincoln, Abraham	1¾	683	Soc.St.	E-J-A-V	120.00	39	67
353.75	Lincoln, Abraham — A Background Study	1¾	600	Soc.St.	J	90.00	24.1	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
353.76	Lincoln, Abraham—A Background Study (color) _____ Important events in the life of Lincoln.	1½	600	Soc.St.	J	165.00	24.1	67
353.77	Lincoln, Abraham, A. Study In Greatness (set of 3) _____	3	1825	Soc.St.	E-J-A-V	440.00	61.65	66
353.771	Part 1 — Youth _____	1				180.00	61.65	66
353.772	Part 2—Illinois Years _____	1				180.00	61.65	66
353.773	Part 3—The War Years _____ Three part film, each can be used separately. First deals with Lincoln's youth, second with early manhood and the third with the presidency and the Civil War.	1				180.00	61.65	66
353.8	Lincoln At Gettysburg _____ A stirring re-enactment of the famous Gettysburg address. Panorama of the battle field and cemetery.	1	180	Soc.St.	E-J-A-V	25.00	72.3	65
354.1	Line (color) _____ Length, attitude, degree of curvature, movement by association and habit, intensity, width, quality, boundaries, points of interest, breaks in line, recognized figures, center of gravity, and moving points.	1	408	Art	J-A-V	95.00	73.5	63
354.2	Line (color) _____ Film clarifies line movement and suggests to children the creative possibilities of materials, such as thread, rope and wire as well as paint, chalk and crayon.	¼	223	Art	E-J	60.00	39	65
354.4	Lion & The Mouse, The _____	1	400	Lang. Art	E	60.00	24.1	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
354.41	Lion & The Mouse, The (color) _____ Through an amusing cartoon interpretation of an Aesopian fable, children learn that size alone does not determine how helpful a person can be.	1	400	Lang. Art	E	120.00	24.1	65
354.6	Lions At Home _____	1	406	Sci.	5-6	55.00	62.5	63
354.61	Lions At Home (color) ____ A series of scenes from home environment of lions in Africa. Animals in herds such as elan and wild beasts are shown. The hunt, the feeding, and peaceful family life make up most of the story.	1	406	Sci.	5-6	110.00	62.5	63
354.7	Liquid Air _____	1	400	Science	J	50.00	1.15	66
355.2	Listening To Good Music: The String Quartet _____ The Fine Arts Quartet shows how to listen for tonal color, melody, harmony, rhythm, theme and variations. Music includes several Haydn and Schubert pieces closing with "Mama Papa Quartet."	1½	498	Music	E-J-A	75.00	39	66
355.5	Liszt and His Music _____	1½	500	Music	J-A	75.00	24.1	63
355.51	Liszt and His Music (color) _____ Biographical summary of composer's life with excerpts from his music.	1½	500	Music	J-A	137.50	24.1	63
355.7	Literature Appreciation: English Lyrics _____	1	400	Lang. Arts	J-A	60.00	24.1	66
355.71	Literature Appreciation: English Lyrics (color) _____	1	400	Lang. Arts	J-A	110.00	24.1	66
355.72	Literature Appreciation: How To Read Essays _____	1½	500	English	J-A-V	75.00	24.1	63
355.73	Literature Appreciation: How To Read Essays (color) _____	1½	500	English	J-A-V	137.50	24.1	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
355.74	Literature Appreciation: How To Read Novels	1½	500	English	J-A-V	75.00	24.1	63
355.75	Literature Appreciation: How To Read Novels (color)	1½	500	English	J-A-V	137.50	24.1	63
355.76	Literature Appreciation: How To Read Poetry	1	400	English	J-A-V	60.00	24.1	63
355.77	Literature Appreciation: How To Read Poetry (color)	1	400	English	J-A-V	110.00	24.1	63
✓ 356	Lithography Good development on how to make a lithograph from beginning to finished product — clear, well or- ganized.	2	512	Art	E-J-A-V	90.00	57.8	65
356.2	Litterbug (color) A young boy who hasn't learned that his thought- less untidiness contributes to the littering of home and community, mends his ways after observing others and seeing a film on tidiness and safety in his class.	1	400	Health	E	100.00	76.8	65
356.3	Little Animals Establishes the concept that all the many, many insects are animals just as dogs and cats are ani- mals, with examples of many common insects that children may study.	1	374	Sci.	2-6	110.00**	29	65
356.4	Little Black Lamb, The	1	381	Lang.Arts	E	60.00	39	66
356.41	Little Black Lamb, The (color) Mary's grandfather gives her a black lamb for a pet. The day of the pet show the lamb runs away, but the postman brings him back just in time.	1	381	Lang.Arts	E	120.00	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
356.42	Little Cowboy A young boy is accepted by the cowboys at the ranch after he rides a wild horse.	½	144	Lang.Art	E	40.00	89.3	64
356.45	Little Diomedea (color) Life in a small present-day island in Alaska, with emphasis on arts and crafts, fishing, hunting.	1½	575	Soc. St.	6-12	136.50**	70.5	64
356.5	Little Garden Steps in a little girl's preparing a garden plot and planting one package of radish seeds. The growth, development and harvesting of the crop are very well shown.	1	350	Sci.	E	50.00	3	66
356.52	Little Kitten An absolutely charming adventure with a kitten who might have taken acting lessons. An innocent ball of fluff, a world to be explored fish in tank, a bird in a cage and a lively puppet made of yarn, add to this charming story.	1	370	L.A.	E	50.00	7.2	67
356.521	Little Kitten (color) An absolutely charming adventure with a kitten who might have taken acting lessons. An innocent ball of fluff, a world to be explored fish in tank, a bird in a cage and a lively puppet made of yarn, add to this charming story.	1	370	L.A.	E	125.00	7.2	67
356.55	Little Red Hen The A small lighthouse helps boats in the river. He feels very proud. A bridge is built overshadowing the light house but the light-house finds that it is still useful.	1	400	Lang.Arts	E	60.00	24.1	66
356.551	Little Red Hen (color) The A small lighthouse helps boats in the river. He feels very proud. A bridge is built overshadowing the light house but the light-house finds that it is still useful.	1	400	Lang.Arts	E	110.00	24.1	66
356.57	Little Red Light House, The The (color) A small lighthouse helps boats in the river. He feels very proud. A bridge is built overshadowing the light house but the light-house finds that it is still useful.	1	323	Lang. Arts	E	60.00**	91.95	67
356.571	Little Red Light House, The (color) A small lighthouse helps boats in the river. He feels very proud. A bridge is built overshadowing the light house but the light-house finds that it is still useful.	1	323	Lang. Arts	E	120.00**	91.95	67
356.59	Little Red Riding Hood — The A small lighthouse helps boats in the river. He feels very proud. A bridge is built overshadowing the light house but the light-house finds that it is still useful.	1	400	Lang.Arts	E	50.00	3	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
356.591	Little Red Riding Hood (color) _____ The story of "Little Red Riding Hood" as told by puppets.	1	400	Lang.Arts	E	100.00	3	63
356.63	Little Rooster Who Made The Sun Rise, The _____	1	400	L.A.	E	60.00	24.1	67
356.631	Little Rooster Who Made The Sun Rise, The (color) _____ The fable of the little rooster who discovers that his crowing does not really make the sun rise is retold in this colorful animated cartoon.	1	400	L.A.	E	110.00	24.1	67
356.68	Littlest Puppy Grows Up, The (color) _____ Care, feeding and early training of a young puppy from time it is a few days old until it is three months of age.	1	400	Lang. Arts	E	90.00	48	65
356.7	Live Teddy Bears _____	1	394	Soc. St.	E	60.00	39	63
356.72	Living And Non Living Things _____	1	454	Science	J	70.00	89	66
356.75	Living Bird _____ Compares the bird's metabolism with that of man, showing how birds have developed and efficient biological machine capable of flight. Senses of sight, smell and hearing are examined.	1½	504	Sci.	J-A-V	160.00	57.8	66
356.77	Living City, The _____ Living Earth Series	2¼	913	Soc. St.	E-J	135.00	39	64
356.81	Birth of The Soil (color) _____	1	342	Gen. Sci. Biology	J-A-V	120.00	39	65
356.82	Arteries of Life (color) _____	1	342	Forest Cons.	J	120.00	39	65
356.83	Seeds of Destruction (color) _____	1	342	Forest Cons.	J	120.00	39	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
	Living Forest Series							
357.21	Forest Grows, The		361	Gen. Sci.	J-A-V	120.00	39	65
357.22	Forest Produces, The (color)	1	374	Gen. Sci.	J-A-V	120.00	39	65
357.23	Forest Conservation		389	Forest Cons.	J-A-V	120.00	39	65
357.31	Living in A Metropolis Greater New York	2	724	Soc. St.	E-J-A-V	100.00	89	63
	Shows the location, different sections of the city, shipping and other transportation facilities, cultural resources and people of New York City.							
357.4	Living and Growing	1	400	Health Ed.	E	50.00	21.4	63
357.41	Living and Growing (color)	1	400	Health Ed.	E	100.00	21.4	63
	Nutrition, rest and sleep are explained to a little boy and girl as they care for their garden and pets.							
357.45	Living and Non-Living Things	1	400	Sci.	3-4	60.00	24.1	63
357.46	Living and Non-Living Things (color)	1	400	Sci.	3-4	110.00	24.1	63
	From the experiences of a child, the film distinguishes between living and non-living things. They learn that only living things need food, breathe, grow, move by themselves and reproduce.							
357.7	Living Mammal (color) ..	2	610	Sci.	CLC 5-9	190.00	57.8	67
	Defining a mammal in biological terms this film shows characteristics held in common by all mammals and tells how various mammals have adapted themselves to life in the air, water, in tree tops and on the ground.							
358.3	London	1	400	Soc. St.	E	36.00	39	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
358.31	London (color)	1	400	Soc. St.	E	103.20	39	63
358.36	Lonesome Whistle, The — Gives the history of locomotives from the first steam models to the modern diesel-electric locomotives. Presents the impact of railroads in opening new areas in the U.S., carrying freight, mail and people.	1	450	Sci.	4-6	70.00	73.02	64
358.37	Long Journey West; 1820.....	1	559	Soc. St.	E-J	75.00	57.3	67
358.371	Long Journey West; 1820 (color) Relates the journey of a boy and his family from Massachusetts to Illinois using overland and river transportation. Filmed on location in authentic settings.	1	559	Soc. St.	E-J	150.00	57.3	67
358.38	Long Time Intervals Estimating long intervals; radioactive dating. Harrison Brown, Cal Tech.	2	864	Phys.	A	120.00**	62.85	66
358.4	Longfellow, Henry Wadsworth	2	609	Literature	E-J	120.00	39	65
358.41	Longhouse People (color)	2	856	Soc. St.	E-J	240.00	39	67
358.5	Longshoreman, The	1	400	Soc. St.	E-J	90.00	48	64
358.6	Look It Up	1	400	Guidance	J-A	60.00	24.1	63
358.61	Look It Up (color)	1	400	Guidance	J-A	110.00	24.1	63
359	Look To The Land	2	739	S.S.-Sci.	J-A-V	120.00	39	65
359.1	Look To The Land (color) Presents the story of the need for conservation and how the problem is met in various parts of the United States.	2	739	S.S.-Sci.	J-A-V	240.00	39	65
✓ 360.1	Loom Weaving (color)	½	218	Art	E-J	65.00	57.8	67
360.2	Loom, The	1	397	H. Eco.	E-J-A-V	55.25	5	64
360.21	Loom, The (color)	1	397	H. Eco.	E-J-A-V	100.25	5	64
360.3	Loon's Necklace (color)	1	422	Lang. Arts	E-J-A-V	120.00	39	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
360.31	Los Pastores	1	400	Span.	J-A-V	65.00	21.4	67
360.311	Los Pastores (color)	1	400	Span.	J-A-V	115.00	21.4	67
	Pastoral life in high sierras of Spain—rugged life of mountain folk—scenes from daily life and primitive methods of making clothing and cheese. Narration paced to tempo of action. Narrated tape accompanies film.							
360.32	Los Tres Osos	1¼	553	Spanish	E-J	75.00	43	66
360.321	Los Tres Osos (color)	1¼	553	Spanish	E-J	140.00	43	66
	Presents the story of the "Three Bears" with a simple Spanish narration and review. Every noun, adjective and verb is visualized by the appropriate object or action on the screen.							
360.34	Lost World	1	400	Sci.	E-J-A	35.00	39	64
360.35	Louisiana Purchase	1½	566	Soc. St.	J	90.00	39	66
	The events leading up to the purchase of the Louisiana Territory.							
360.38	Louisiana Story, The	7	2800	S.S.-L.A. Sci.	E-J	375.00	24.04	67
	The story of a Cajun family on a Louisiana Bayou.							
360.51	Lumber For Houses	1	443	Soc. St.	E-J	60.00	39	63
360.52	Lumber For Houses (color)	1	443	Soc. St.	E-J	120.00	39	63
361	Lumber States, The Pacific N. W.	2	769	Soc. St.	E-J	110.00	89	65
361.5	Lumberyard	1	398	Soc. St.	E	60.00	3	67
361.51	Lumberyard (color)	1	398	Soc. St.	E	120.00	3	67
	Two children visit a lumberyard and see the variety of materials sold. They learn how trees are cut, carried to sawmills and shipped to lumberyards.							

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
362	Machine Maker	1	379	Mach. Shop	V	60.00	39	64
	Guid.							
363.55	Machines Help Us	1	400	Soc. St.	E-J	60.00	3	65
363.56	Machines Help Us (color)	1	400	Soc. St.	E-J	110.00	3	65
	Answers these questions: What are machines? How do we get machines? How have machines changed our way of living?							
363.6	Machines That Help The Farmer	1	388	Soc. St.	E-J	50.00	43	63
363.61	Machines That Help The Farmer (color)	1	388	Soc. St.	E-J	100.00	43	63
	Introduces two children caring for their backyard garden. Depicts the farm- er doing the same jobs with machines—tractor, disc harrow, seeder, thrasher, etc.							
363.7	Machines That Move Earth	1½	576	Sci.	E	85.00	43	66
363.71	Machines That Move Earth (color)	1½	589	Sci.	E	160.00	43	66
	The work of great ma- chines which move earth; the power crane, power shovel, truck, bull dozer, motor scraper, sheep foot tamper, dump truck.							
364	Machining And Tool Steel V Block	2	750	Mach. Shop	V	45.41	71	67
365	Machining Work Held In Chuck	2½	842	Mach. Shop	V	50.59	71	67
✓ 366.1	Madrid (color)	1	409	Spanish	A	125.00	57.8	65
	A field trip to Madrid.							
366.15	Magazine To Trans- parancies (color)	2	430	T.T.	A-V	130.00	57.8	67
	Depicts the steps in mak- ing transparencies from magazines and flat gra- phic materials.							

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
366.2	Magic Feather, The (color) _____ The Magic Feather could bring happiness — or a terrible punishment. It depended on who made the wish and how unselfish he was.	1	254	Lang.Art	E	48.50	85	66
366.3	Magic Fiddle _____ Combination of Norwegian folk tale, music and choreography blended into a ballet danced by the Norwegian Ballet.	2	800	Health Ed. Dance	E-J-A-V	150.00	24.04	63
366.45	Magic Michael _____	1	223	Lang.Art	E	45.00**	91.95	66
366.451	Magic Michael (color) ____ Iconographic film based on book of same title telling of all the things Michael is until his father brings him a present.	1	223	Lang.Art	E	90.00**	91.95	66
366.5	Magic Of The Atom The Atom And The Doctor Shows three applications of atomic energy in medicine. Diagnosis of a thyroid condition through radioactive iodine. Testing for leukemia and other blood disorders, through the use of radioiron. Cancer research and treatment at AEC's Oak Ridge Cancer Research Hospital using radiogallium. This includes intravenous injection of radiogallium. removing of a bone sample from the patient and analysis of this sample by a radiochemist. Explained simply, logically and completely for general audiences.	1	450	Sci.	A-V	65.00	53.8	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
366.53	The Atomic Alchemist — Illustrates the great part chemistry is playing in the Atomic Age, and how in turn products of atomic energy are opening new and expanding fields in chemistry. Shows the effects of radiation on liquids and solids and the search for new elements.	1	450	Sci.	A-V	65.00	53.8	65
366.54	Atomic Furnaces — Explains the purposes and principles of Nuclear Reactors and demonstrates several in action at Brookhaven, Oak Ridge and Los Alamos.	1	450	Sci.	A-V	65.00	53.8	65
366.55	The Atomic Greenhouse — This picture shows, step by step, the process of using radioisotopes to trace line (fertilizer) absorbed from the soil into a plant.	1	450	Sci.	A-V	65.00	53.8	65
366.56	The Atomic Pharmacy — Storage and handling of atomic tracers, remote-control tools for safely manipulating radioactive liquids, and their uses.	1	450	Sci.	A-V	65.00	53.8	65
366.57	The Atomic Zoo — Experiments with sheep, fowl and fish to determine how radioactivity will affect our basic food products.	1	450	Sci.	A-V	65.00	53.8	65
366.58	The Eternal Cycle — How products of atomic energy are used for important biological research; absorption of iron by blood cells, body use of sugar, biological cycling.	1	450	Sci.	A-V	65.00	53.8	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
366.59	The Master Slave Remote-control instruments used to handle "hot" (radioactive) solid materials and how these ingenious methods and tools speed the advance of Atomic Science.	1	450	Sci.	A-V	65.00	53.8	65
366.6	Protecting The Atomic Worker Safeguards used to protect men and women working on atomic energy against the dangers of radiation.	1	450	Sci.	A-V	65.00	53.8	65
366.62	Tagging The Atom Story of atomic tracers; their "manufacture," methods of handling, purification, packaging and some uses.	1	450	Sci.	A-V	65.00	53.8	65
366.63	Atomic Goldrush Important steps used to bring Uranium Ore to world.	1	450	SS-Sci.	J-A-V	65.00	53.8	66
366.64	Atomic Age Farmer Describes applications of radioactive cobalt iodine, and atomic tracers to farm problems.	1	450	Sci.	A-V,CLC	55.00	53.8	63
366.65	Atoms For Health Takes up diagnostic value in liver damage and treatment of lung cancer.	1	450	Sci.	A-V	55.00	53.8	63
366.66	Radiation—Silent Servant of Mankind Demonstrates the applications of radiation from cobalt 60, x-rays, tracers, to the study and cure of disease.	1	450	Sci.	A-CLC	55.00	53.8	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
366.67	Atomic Biology For Medicine Series of examples of research with radioisotopes in Biological and Medical sciences. Examples from U.C.L.A., Berkeley, Oak Ridge, Argonne.	1	450	Bio.	J-A-V	55.00	53.8	63
366.68	Jobs In Atomic Energy Treatment of job opportunities in the atomic energy field.	1	450	Sci. Guid.	A	55.00	53.8	63
366.7	Magic Touch, The (color) The purposes and techniques of immunization as they are demonstrated to an elementary school class. A nurse shows the children the tools, explaining their necessity to prevent fear.	1	360	Health	E	90.00	76.8	66
366.75	Magna Carta: Part 1	1½	571	World Hist.	A	90.00	39	65
366.76	Magna Carta: Part 1 (color) Traces England's history from the Norman invasion in 1066 to the crowning of King John in 1199. Sets the scene for the famous Runnymede meeting.	1½	571	World Hist.	A	180.00	39	65
366.77	Magna Carta: Part II	1½	560	World Hist.	A	180.00	39	65
366.78	Magna Carta: Part II (color) Dramatizes the events after the crowning of John which resulted in the drafting of one of the world's imperishable documents. Magna Carta.	1½	560	World Hist.	A	180.00	39	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
366.83	Magnetism The laws of magnets are clearly illustrated. Many experiments concerning magnets are shown.	1	468	Sci.	(J- (Unit (93.31	55.00	62.5	64
367	Magnets	1½	468	Science	E	75.00	62.5	67
367.6	Mahatma Gandhi A biographical sketch of Mahatma Gandhi; his role as the spiritual and political leader of India.	2	680	Soc. St.	J-A-V	120.00	39	66
368	Mailman, The	1	399	Soc. St.	E-J-A	60.00	39	67
368.4	Main Harbor Town— Northern New England.....	2	726	Soc. St. Eng.	E-J	110.00	89	65
369.01	Make Way For Ducklings	1	408	Lang. Arts	E	60.00**	91.95	67
369.02	Make Way For Ducklings (color)	1	408	Lang. Arts	E	120.00**	91.95	67
	This film shows how a family of ducks live on an island in a city park. The story tells about a walk ducks take through the city streets.							
369.05	Make Your Home Safe..... Development of Safety attitudes, resulting in good housekeeping for safety and safe living.	1	389	Safety	E-J-A-V	50.00	62.5	63
369.1	Make Your Own Decisions	1	400	Guid.	J-A	60.00	24.1	66
369.11	Make Your Own Decisions (color)	1	400	Guid.	J-A	110.00	24.1	66
370	Making A Balanced Aquarium	1	400	Sci.	E-J	60.00	24.1	66
	Method of building a balanced aquarium. Obtaining soil and gravel from near-by stream; method of grading gravel; placing in aquarium; selection of water plants; methods of rooting; use of pond water; method of adding water to avoid disturbing; stocking the aquarium with animal life.							

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
370.3	Making A Stained Glass Window (color)	2	750	Art	A-V	195.00	89.3	65
	One man's step-by-step demonstration of the making of a stained glass window. It includes designing, making cartoons, cutting glass, painting, dusting, firing and loading.							
372	Making Electricity	1	388	Science	E-J	60.00	39	65
372.01	Making A Five Tuck Splice	2½	931	Aviation	V	54.19	71	67
372.05	Making of The River, The	1	400	Sci.	E-J-A	60.00	24.1	65
372.06	Making of The River, The (color)	1	400	Sci.	E-J-A	120.00	24.1	65
	In a very poetic manner the film portrays the growth of a river and its movement toward the sea.							
373.12	Making Sense With Sentences	1	400	Lang. Arts	E	60.00	24.1	66
373.13	Making Sense With Sentences (color)	1	400	Lang. Arts	E	110.00	24.1	66
373.5	Making The Most of School	1	400	Guid.	E-J	50.00	24.1	64
373.6	Making The Most of School (color)	1	400	Guid.	E-J	100.00	24.1	64
373.7	Making Theatrical Wigs	1	420	Drama	A	45.00	89.3	64
	Demonstrates the process of wig-making from the making of the pattern, through fitting of the cap, preparation of hair, sewing to cap, and then the final wig. The announced purpose of the film is to show how wigs can be made if a group cannot afford to rent them.			Lang. Art				
✓ 374	Making a Mask (color)	¾	216	Art	E	60.00	57.8	63
374.05	Malaya, Land of Tin and Rubber	1¾	495	Soc. St.	E-J-A-V	75.00	39	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
374.06	Malaya, Land of Tin and Rubber (color) A presentation of the process involved in the production of rubber and the International shipping in the harbor of Singapore.	1½	495	Soc. St.	E-J-A-V	150.00	39	63
374.51	Mammals of the Country-side	1	400	Sci.	E	50.00	24.1	66
374.52	Mammals of the Country-side (color)	1	400	Sci.	E	100.00	24.1	66
374.53	Mammals of the Rocky Mts.	1	400	Sci.	E	50.00	24.1	66
374.54	Mammals of the Rocky Mts. (color)	1	400	Sci.	E	100.00	24.1	66
374.55	Mammals of the Western Plains	1	400	Sci.	E	50.00	24.1	66
374.56	Mammals of the Western Plains (color)	1	400	Sci.	E	100.00	24.1	66
374.57	Mammals are Interesting (color)	1	436	Sci.	E-J	120.00	39	64
375	Man and The Mile Film record of world record holders from England's Walter George in 1884 to Roger Bannister first 4-minute miler.	1	220	Health Ed.	E-J-A	30.00	72.3	65
375.1	Man In The Blue Helmet The story of the blue-helmeted U.N. soldier who guards the peace in the Gaza Strip and the Congo. The glimpses of the individual soldiers at work and on leave add up to a revealing portrait of the type of soldier who may become a symbol of man's civilized sanity.	2½	1900	Soc. St.	J-A-Ad	75.00	24.04	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
375.2	Man Of America Story of "campesinos," natives of improverished tin-mining altiplano area of Bolivia, who, through United Nations International Labor Organization are being relocated on the fertile plains.	2½	972	Soc. St.	A	125.00	62.5	65
376	Man's Greatest Friend	1	400	Soc. St. Sci.	J-A-V	30.00***	87	64
377.1	Man Without a Country.....	2½	912	Soc. St.	E-J-A-V	135.00	62.5	64
377.3	Man's Problem (color)	1¾	673	Gen. Sci. Earth Sci.	J-A-V	210.00	39	64
377.4	Manhattan Landmarks The ever present Statue of Liberty and the no longer present 3rd Avenue 'el' are reviewed.	1	215	Soc. St.	E	30.00	72.3	65
377.5	Mann, Horace	1¾	681	Soc. St.	E-J-A-V	120.00	39	67
377.6	Manners in Public	1	396	Guid.	E	60.00	62.5	64
377.61	Manners in Public (color) Barbara Learns about the good manners in public—on the sidewalk, on the bus, in the theater, in the store and in the elevator.	1	396	Guid.	E	125.00	62.5	64
377.7	Manners in School	1	432	Guid.	3-5	70.00	62.5	64
377.71	Manners in School (color) With the aid of Chalky, an animated cartoon character, Larry learns about good manners in school.	1	432	Guid.	3-5	140.00	62.5	64
377.9	Maple Sugar Time.....	1	329	Soc. St.	E	50.00	64	65
377.91	Maple Sugar Time (color) Maple sugar time in Eastern Canada, showing the old-time methods. Shows how it is gathered and processed. Emphasis on the low process involved in use of manual labor.	1	329	Soc. St.	E	100.00	64	65
378	Maps are Fun	1	400	Soc. St.	E-J-A-V	50.00	24.1	67
378.1	Maps and Their Uses	1	400	Soc. St.	J	60.00	24.1	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
378.11	Maps and Their Uses (color)	1	400	Soc. St.	J	110.00	24.1	66
378.12	Maps and Their Meaning (color)	1¼	500	Soc. St.	E-J	125.50	1.11	64
378.2	Maps-Coastal Symbols and Terms (color) This film shows the kinds of coastline around the U. S., defining the terms (bay, harbor, peninsula, gulf, delta, lagoon).	1¼	500	Soc. St.	E-J	135.30	1.11	67
378.25	Maps For A Changing World (2nd Edition) Traces the evolution of world map concepts from ancient times to present, emphasizing the influence of air transportation on map-making.	1	402	Soc. St.	J-A	50.00	39	66
378.3	Maps—Land Symbols and Terms (color) Map reading explained and supplemented by photographic presentation of symbols.	1¼	500	Soc. St.	E-J	135.30	1.11	67
378.5	Maps We Live By Shows the role of maps in the modern world and presents the work of the UN in standardizing map work and symbols.	2	600	Soc. St.	J-A-V	65.00	24.04	64
378.85	Marches, Les (color) A young man and his wife visit the market to purchase vegetable, flowers, and cakes.	1	350	F.L.	J-A-Ad	160.00	21.37	67
378.9	Marco Polo's Travels Excellent maps enable one to follow Marco Polo on his adventures to the Empire of the Khan. The story follows the book he wrote on his return to Venice and Genoa.	2	670	Soc. St.	E-J	120.00	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
✓ 379	Marguerite A La Ferme Peggy discovers a "new" world when she visits her cousins farm. A typical day is presented with everyone doing his chores. Many close-up details of farm animals provide opportunity for observation.	2	540	F.L.	A	160.00	57.8	67
379.2	Marine Animals and Their Foods	¾	300	Biology	A	45.00	24.1	63
379.21	Marine Animals and Their Foods (color)	¾	300	Biology	A	82.50	24.1	63
379.3	Marine Life (color) Animal life in the sea, and interrelationships that exist amongst them.	1	406	El. Sci.	E	120.00	39	65
✓ 380.01	Mark Twain and Tom Sawyer	1	410	Lang. Arts	E-J	60.00	57.8	63
380.02	Mark Twain—Background for His Works	1¾	500	Lang. Art	A-V	75.00	24.1	64
380.03	Mark Twain—Background for His Works (color)..... Authentic backgrounds for Twain's works.	1¾	500	Lang. Art	A-V	137.50	24.1	64
380.2	Mark Twain Gives An Interview	1¾	500	Lang.	E-J-A	75.00	24.1	67
380.21	Mark Twain Gives An Interview (color) Hal Holbrooks classic impersonation of Mark Twain is recreated in this interview with the author of some of the most beloved works in American literature.	1¾	500	Lang.	E-J-A	137.50	24.1	67
380.25	Mark Twain's America This film documenting Twain and his times with a gallery of superb vintage photographs brought to life by still-picture animation techniques.	5	1944	Lang. Soc.St.	Jr. & Sr.	250.00	62.5	67
380.44	Marriage For Moderns Choosing for Happiness.....	1	512	H.E. Fam.Re.	A-V	90.00	62.5	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
380.45	It Takes all Kinds	1	703	H.E. Fam. Re.	A-V	115.00	62.5	65
380.6	Marshall, John	2	660	Soc. St.	J-A-V	120.00	39	67
381	Mass Of The Electron Using a cathode ray tube encircled by a current carrying loop of wire, measurements are taken which enable demonstrator to calculate the mass of the electron. In detail, step by step.	1½	670	Physics	A	90.00**	62.85	66
381.55	Master Will Shakespeare..... Brief biography, with some fictionalization; including scenes from Romeo and Juliet.	1	440	Lang. Art	J-A-V	60.00***	39	66
382.4	Matter and Energy	1	400	Sci.	A-V	60.00	24.1	64
382.5	Matter and Energy (color)	1	400	Sci.	A-V	110.00	24.1	64
382.51	Mealtime Manners and Health	1	400	Hlth. Ed.	E	60.00	24.1	63
382.52	Mealtime Manners and Health (color)	1	400	Hlth. Ed.	E	110.00	24.1	63
	Courtesy is stressed as a basis of mealtime manners. Film demonstrates the positive effects of proper habits not only upon health, but also upon children's relations with their classmates, school personnel and parents.							
382.55	Meaning of Conservation, The	1	400	Soc. St.	E-J-A-V	60.00	24.1	65
382.56	Meaning of Conservation, The (color)	1	400	Soc. St.	E-J-A-V	120.00	24.1	65
	Shows how the deforestation of the land leads to floods and results in erosion and the production of wastelands. Conservation projects — like reforestation, contour plowing and rotation of crops — tend to preserve our forests and soil.							

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
382.58	Meaning of Feudalism, The	1	400	SS-Sci.	J-A-V	60.00	24.1	65
382.59	Meaning of Feudalism, The (color)	1	400	SS-Sci.	J-A-V	120.00	24.1	65
382.61	Meaning of Industrial Revolution	1	400	Soc. St.	A	60.00	24.1	66
382.62	Meaning of Industrial Revolution (color)	1	400	Soc. St.	A	110.00	24.1	66
382.63	Meaning of Engagement	1½	500	Guid.	A-V	75.00	24.1	67
382.64	Meaning of Engagement (color)	1½	500	Guid.	A-V	137.50	24.1	67
383.01	Meaning of Elections	1	400	Soc. St.	E-J-A-V	60.00	24.1	64
383.02	Meaning of Elections (color)	1	400	Soc. St.	E-J-A-V	110.00	24.1	64
383.2	Meaning of Patriotism, The	1½	500	Soc. St.	J	75.00	24.1	67
383.21	Meaning of Patriotism, The (color)	1½	500	Soc. St.	J	137.50	24.1	67
	Film points out that ordinary citizens may achieve in different ways the uncommon service to their country that we identify as patriotism.							
383.3	Meaning Of Percentage —	1	360	Math.	J	60.00	62.5	66
	This film develops the meaning of percentage, and relates percentage to hundredths both as fractions and as decimals, using graphic representations.							
383.5	Measurement	2	305	Physics	A	120.00**	62.85	66
	Speed of rifle bullet used as basis for discussion of art of measurement. Problems met and discussed are noise, bias, use of black boxes & element of decision in all measurements.							
383.7	Measurement With Light Wave	1½	562	Mach. Shop	V	35.74	71	67
384.1	Measurement of Electricity	1	400	Sci.	(J-	60.00	24.1	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
384.11	Measurement of Electricity (color) Ohm's Law is used as the basis for electrical measurement of Ohms, Amperes, Volts and Watts. Demonstrates how electricity is measured.	1	400	Sci.	(Unit 83.4a	110.00	24.1	64
384.13	Measuring & Testing Things Introduces ways scientists work, Shows how controls are set up, test materials used, accurate measurements taken to insure reliable results.	1-1/3	486	Sci.	5-6	135.00	89	67
384.15	Measuring Large Distances Fletcher Watson, Harvard, using models of earth, moon and stars, describes the place of triangulation, parallax and the inverse square law for light in geophysics and astronomy.	2½	1075	Sci. (Physical)	A	150.00**	62.85	66
384.16	Measuring Short Distances Start with centimeter scale, moves on to microscopic dimension, then to the dimensions of atoms by means of Erwin Mueller's field emission microscope. Dorothy Montgomery, Hollins College.	2	740	Sci.	A	120.00**	62.85	66
384.2	Measuring Temperature —	1	379	Sci.	E	60.00	62.5	67
384.28	Meat and Meat Packing (color) Combines processing of both beef and pork.	1	490	Food Trades	V	135.00	57.8	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
384.3	Meat From Range to Market The story of meat from the cattle range to stock yards, to the packing house where it is prepared for market, transportation in refrigerated cars or trucks and to shop where it is sold to consumer.	1	375	Soc. St.	E	60.00	39	67
384.4	Mechanical Aptitude	1	400	Guid.	A-V	60.00	24.1	67
384.41	Mechanical Aptitudes (color) Mechanical Drawing Series	1	400	Guid.	A-V	110.00	24.1	67
384.51	Language of Drawing,		366	Mech. Dr.	A-V	60.00	62.5	64
384.52	Shape Description Pt. 1.....	1	416	Mech. Dr.	A-V	65.00	62.5	64
384.53	Shape Description Pt. 2.....	1	382	Mech. Dr.	A-V	55.00	62.5	64
384.54	Sections	1	366	Mech. Dr.	A-V	60.00	62.5	64
384.55	Shop Procedures	1½	612	Mech. Dr.	A-V	100.00	62.5	64
384.56	Auxiliary Views Pt. 1.....	1	397	Mech. Dr.	A-V	65.00	62.5	64
384.57	Auxiliary Views Pt. 2.....	1	356	Mech. Dr.	A-V	60.00	62.5	64
384.58	Size Description	1¼	480	Mech. Dr.	A-V	75.00	62.5	64
384.63	Mechanical Energy and Thermal Energy Models show bulk and random molecular motion; averaging random motion; Charle's Law exp. and definition of absolute temperature; thermal conduction model.	2	830	Phys.	A	120.00**	62.85	66
384.65	Mechanics of Liquids	1	400	Sci.	(J-	60.00	24.1	64
384.66	Mechanics of Liquids (color) Explains why some objects float in water and why the buoyancy of the water causes objects to appear to weigh less in water than in air. Discusses the pressure that free and confined liquids exert.	1	400	Sci.	(Unit 91.4	110.00	24.1	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
384.7	Medieval Crusades	2½	989	W. Hist.	A-V	150.00	39	67
384.71	Medieval Crusades (color) Reasons and results of Crusades. Basis of dram- tization is the impact of Crusades in a French Family of nobility.	2½	992	W. Hist.	A-V	300.00	39	67
384.72	Medieval Guilds	2	746	W. Hist.	A-V	120.00	39	67
384.73	Medieval Guilds (color) Evolution of Mercantil- ism from Guild system using family life as the illustrated core.	2	768	W. Hist.	A-V	240.00	39	67
384.74	Medieval Knight	2	791	Soc. St.	E-J-A	120.00	39	67
384.75	Medieval Knights (color) Illustrates the qualifica- tions, training and duties of a knight.	2	792	Soc. St.	A-V	240.00	39	67
384.76	Medieval Manor	2	753	W. Hist.	A-V	120.00	39	67
384.77	Medieval Manor (color) Community life under feudal system in terms of everyday activities.	2	753	W. Hist.	A-V	240.00	39	67
384.81	Medieval Times: Role of the Church	1¼	500	Soc. St.	H.S.	75.00	24.1	67
384.82	Medieval Times: Role of the Church (color) Vast influences of church on peasants, nobility, scholars, and clergy of Middle Ages, and role church played in shaping European history indi- cated.	1¼	500	Soc. St.	H.S.	137.50	24.1	67
384.91	Medieval World, The	1	400	Soc. St.	J-A-V	60.00	24.1	65
384.92	Medieval World, The (color)	1	400	Soc. St.	J-A-V	120.00	24.1	65
385.1	Mediterranean Africa (color)	1	424	Soc. St.	J-A-V	120.00	39	64
385.3	Mediterranean World, The	2	800	Soc. St.	J-A	120.00	39	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
385.31	Mediterranean World, The (color) Distinct features and achievements of early civilizations are illustrated with profuse photography of the surviving structures, excavations, artifacts, and new art work.	2	800	Soc. St.	J-A	240.00	39	67
385.6	Meet Mr. Lincoln Presents Lincoln in pictures and words of his own time; reviews the critical events of Lincoln's presidential years.	2½	959	Soc. St.	5-12	150.00	39	66
385.71	Meet The Sioux Indian Shows the way of life of the Sioux Indian, constantly on the move, carrying his possessions on his travels. Shows his complete dependence on the buffalo for food, shelter and clothing.	1	360	Soc. St.	E-J	130.00	57.8	66
386.1	Meeting Emotional Needs in Childhood	3	1165	Tch. Tr		150.75	70	64
386.14	Meiosis in Spermatogenesis of the Grasshopper, Psophus Stridulus L. Describes by time lapse photography stages in meiosis of a sperm cell. First shows reduction division, then mitotic division, and finally, early stages in transformation into a sperm cell.	2	800	Bio.	A	90.00	72.5	64
386.15	Melbourne, Southern City (color) Travelogue of Melbourne, Australia showing recreational facilities of the city and everyday occupations of native population.	1	364	Soc. St.	E-J-A-V	85.00	1.5	67
386.2	Melody in Music	1¼	500	Music	E-J	75.00	24.1	64
386.21	Melody in Music (color)	1¼	500	Music	E-J	137.50	24.1	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
387	Memories of Shakespeare..... A study of famous places associated with the Bard and anecdotes of his life and habits and origin of his plays.	2½	1072	Lang. Art	J-A	153.00**	57.2	66
387.4	Mental Health	1	441	Guid. Tch. Tr.	J-A-V	50.00	39	63
387.41	Mental Health (color)	1	441	Guid. Tch. Tr.	J-A-V	120.00	39	63
387.5	Mental Mechanism Series Over Dependency	3	1252	Guid.	A	145.00	62.5	67
387.8	Menu Planning	1	400	H. Eco.	J-A-V	60.00	24.1	63
387.81	Menu Planning (color)	1	400	H. Eco.	J-A-V	110.00	24.1	63
388	Le Merle	½	180	French		65.00	57.8	65
	Norman McLaren imparts unusual activity to an old French-Canadian nonsense song. Simple white cut-outs on pastel backgrounds provide lively illustrations as the song relates how a blackbird loses parts of his body one by one and then regains them two-and-three-fold.							
388.21	Metals and Non-Metals	1	400	Sci.	J-A	60.00	24.1	63
388.22	Metals and Non-Metals (color)	1	400	Sci.	J-A	110.00	24.1	63
	Contrasts physical properties of metals and non-metals, gives explanation of atomic structure and valence electrons, and discusses alloys.							
388.5	Metamorphosis of Insects (color)	1	324	Bio.	A	120.00	62.5	67
	Purpose of film is to show the stages of metamorphosis in the butterfly and to explain the role hormones play in this process.							
389	Metric System	1	400	Math.	J	60.00	24.1	54

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
389.1	Metric System (color) The development of the basic units of the metric system: the meter, the gram and the liter. Compares ease of use with the English system.	1	400	Math.	J	110.00	24.1	64
390	Mexican Olla Makers (color) Shows the importance of ollas in Mexico; shows how ollas are made in the Mayo Indian villages. Points out the importance of a primitive industry in modern times.	1	350	Soc. St.	E-J-A	100.00	3	65
391.8	Mexican Village Copper-makers (color) The hand process of making copper objects in a primitive society.	1	400	Art	J-A-V	100.00	3	63
✓ 393.15	Mexico: Ciudad Encantadora Film visit to Mexico City and Xochimolco with its beautiful flower gardens and canals; famous places in Mexico City bull fight (Spanish Narration).	2	695	Span.	J-A-V	110.00	57.8	66
393.2	Mexico, Geography of Americas Americas	1	400	Soc. St.	E-J-A-V	60.00	24.1	65
393.21	Mexico, Geography of Americas (color) Overview of the economic geography of our southern neighbor starting at the Texas border.	1	400	Soc. St.	E-J-A-V	120.00	24.1	65
393.4	Mexico—The Land & People (Second edition)	2	750	Soc. St.	E-J	120.00	39	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
393.41	Mexico—The Land & People (Second edition) (color) Illustrates the contrasts of Mexico. Traces the cultural, religious, and economic heritage of the Mexicans. Explores the land itself—its resources and uses.	2	750	Soc. St.	E-J	240.00	39	67
393.5	Mexico Y Sus Contornos..... Portrays views of Mexico City and important buildings in it, of Xochimilco and the floating gardens, Acapulco and some rural views. The text is in simplified Spanish delivered at a slow pace and clearly enunciated.	2	800	Span.	A	225.00	57.8	64
394	Michael Discovers the Magnet A boy of about eight years of age becomes interested in magnets from a new magnetic bulletin board in the kitchen. He pursues his interest by getting his father to bring home some magnets. He experiments with the new magnets and learns their simple properties.	1	382	Sci.	E	60.00	39	66
394.05	Michio, Schoolboy of Japan Several experiences built around Japanese schoolboy in charming native village in Japan. A Science lesson in making soap and conducting personal cleanliness program by children.	1½	500	Soc. St.	5-9	125.00	21.5	66
394.1	Mickey's Big Chance	1½	558	Driver Ed.	J-A-V	15.65	1.18	63
394.3	Microrganisms: Harmful Activities	2	860	Bio.	A-V	75.00	57.3	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
394.31	Microorganisms: (color) Harmful Activities Covers all basic material in the field of harmful microorganisms with visualization of Koch's postulates.	2	860	Bio.	A-V	150.00	57.3	64
394.35	Microscopic Fungi	1½	612	Sci.	A-V CLC	95.00	62.5	67
394.351	Microscopic Fungi (color) Purpose of film is to show what microscopic fungi look like, how they grow, and what they do for and against man.	1½	612	Sci.	A-V	180.00	62.5	67
394.5	Middle Distances	1	388	Hlth. Ed.	A-V	55.00	89	64
394.6	Middle East	1½	487	Soc. St.	E-J-A-V	75.00	39	65
394.61	Middle East (color) A general background film depicting the life of the people in the Middle East. Attention is paid to Nomadic as well as city life. A mixture of the old and the new is presented with stress on daily life of average people living in Egypt, Lebanon and contiguous countries.	1½	487	Soc. St.	E-J-A-V	150.00	39	65
394.7	Middle East, The: Crossroads of Three Continents	1½	500	Soc. St.	E-J-A	75.00	24.1	66
394.71	Middle East, The: Crossroads of Three Continents (color) Shows similarities and contrasts in culture, religions and topography of important cities and countries in the Middle East. Clarifies many geographic concepts by use of maps.	1½	500	Soc. St.	E-J-A	137.50	24.1	66
395.2	Midnight Ride of Paul Revere, The	1	390	Soc. St.	E	60.00	39	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
395.21	Midnight Ride of Paul Revere, The (color) —	1	390	Soc. St.	E	120.00	39	63
	Presents the historical facts pertaining to the midnight ride of Paul Revere.							
395.3	Midsummer Night's Dream, A: Introduction to the Play	1½	500	LA.,-Lit.	J-A-V	75.00	24.1	65
395.31	Midsummer Night's Dream, A: Introduction to the Play (color)	1½	500	LA.,-Lit.	J-A-V	150.00	24.1	65
	An overview of the plot of the play and analyzes the main aspects of the comedy.							
395.32	Midsummer Night's Dream	10	4000	Lang. Art	J-A	300.00	88.97	64
	Complete Reinhardt film starring Ian Hunter, Joe E. Brown, James Cagney, Olivia de Haviland, Mickey Rooney, Anita Louise, Victor Jory, etc. Uses Mendelssohn music for background.							
395.5	Migration of Birds	1	406	Sci.	4-6	60.00	39	65
395.51	Migration of Birds (color)	1	412	Sci.	4-6	120.00	39	65
	This film shows a yearly cycle in the life of a migrating bird. It reveals known facts and theories about the migration of the Canada goose — when, how, where, and why the birds migrate.							
395.9	Mike Mulligan and His Steam Shovel	1	381	LA	E	60.00**	91.95	67
395.91	Mike Mulligan and His Steam Shovel (color)	1	381	LA	E	120.00**	91.95	67
397.1	Milk (2nd Edition)	1	395	Soc. St.	E-J	60.00	39	67
	The importance of milk and its production from the cow to the finished dairy products delivered by the milkman on his route.							

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
397.15	Milky Way, The _____ An expanding picture of the universe is portrayed as telescopic photography and animation illustrate what stars are and how they are formed.	1-1/3	486	Sci.	7th yr. Unit-2	135.00	89	67
397.3	Miller Grinds Wheat _____	1	400	Soc. St.	E	60.00	3	64
397.31	Miller Grinds Wheat (color) _____ A visit to a mill which produces stone - ground flour is shown. The whole process of milling from the arrival of the grain to its storage in a large tank, the grinding, sifting, packing and loading for delivery to bakeries is shown.	1	400	Soc. St.	E	110.00	3	64
397.4	Millikan Experiment _____ Simplified Millikan experiment is photographed through microscope. Standard spheres substituted for oil drops, X-rays used, charge related to velocity of sphere across field of view of microscope.	3	1095	Phys.	A	150.00**	62.85	66
397.5	Millions for the Finding _____ The search for mineral deposits in Australia. Descriptive scenes of mining installations and workings throughout the sub-continent.	1	392	Soc. St.	J-A-V	30.00	1.5	67
399.5	Millpond Memories _____ Shows typical animals found near the "old mill pond," including the frogs, turtles and fish. Also shown are the habits of the mink, rabbit, skunk, fox, doe and fawn, and raccoon.	1	396	Sci	3-6	100.00	56.3	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
403.5	Mimeographing Techniques	1½	600	Bus. Ed.	J-A-V	75.00	3	64
403.51	Mimeographing Techniques (color) Shows the process of preparing stencils, making corrections, using mimeoscope and running off copies in black and colored ink.	1½	600	Bus. Ed.	J-A-V	150.00	3	64
404.01	Mind Your Manners	1	400	Guid.	J-A-V	60.00	24.1	63
404.02	Mind Your Manners (color)	1	400	Guid.	J-A-V	110.00	24.1	63
404.025	Minerals (The Primary Geography Series) Man's dependence on minerals is illustrated at Bob's birthday party. Sources of minerals are given — Types of minerals are explained—Examples of mineral products are shown.	1	372	Soc. St.	E	55.00	53	66
404.03	Minerals and Rocks	1½	591	Sci.	E	90.00	39	63
404.04	Minerals and Rocks (color) The story of some common rocks in the minerals, sedimentary, and igneous groups and how to collect and identify them using the streak test, hardness test, scratch test, and acid test.	1½	591	Sci.	E	180.00	39	63
404.045	Mining Points out how mining is a universal occupation of major significance to the security and national prosperity of nations.	2	800	Soc. St.	6-9	110.00	89	64
404.05	Miracle From Mold The miracle of converting soil into the wonder drug, Terramycin.	1	400	Sci.	J-A-V	45.00	85	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
✓ 404.06	Miracle of the Trees (color) _____ Time lapse photography of the opening of flower and leaf buds of various trees.	1	346	Sci.	E	¹²⁵ 110.00	57.8	63
404.07	Miracle of Hydro _____ Describes the significance of Bonneville and Grand Coulee Dams; scenes along the Columbia River (salmon and logging activities); effects of artificial irrigation.	1	400	E. Sci. S.S.	E	30.00***	87	67
404.12	Mississippi River, The: Background For Social Studies _____	1½	500	Soc. St.	E-J	75.00	24.1	66
404.121	Mississippi River, The Background For Social Studies (color) _____ By houseboat, we follow historically famous "Father of Waters", linking great agricultural and industrial areas with important cities and ports.	1½	500	Soc. St.	E-J	137.50	24.1	66
404.2	Mississippi River Lower River _____	1½	500	Soc. St.	E-J	63.00	1.11	64
404.21	Mississippi River— Lower River (color) _____	1½	500	Soc. St.	E-J	125.50	1.11	64
404.22	Mississippi River— Upper River _____	1½	500	Soc. St.	E-J	63.00	1.11	64
404.23	Mississippi River— Upper River (color) _____	1½	500	Soc. St.	E-J	125.50	1.11	64
404.27	Mitosis _____	2½	875	Bio.	A	130.00	39	67
404.271	Mitosis (color) _____ Illustrates and describes the fundamental life process of mitosis through live photography microphotography, animated drawings, and laboratory demonstrations. Individual chromosomes are clearly shown.	2½	875	Bio.	A	260.00	39	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
404.3	Mitosis and Meiosis	1½	610	Sci.	A	75.00	57.3	67
404.31	Mitosis and Meiosis (color An analysis and comparison of the mitotic and meiotic processes in animal and plant cells.	1½	610	Sci.	A	150.00	57.3	67
404.32	Mittens the Kitten	1	400	Lang. Arts	E	60.00	24.1	63
404.33	Mittens the Kitten (color)	1	400	Lang. Arts	E	110.00	24.1	63
404.45	Modern Ballet Excerpts of modern ballet are demonstrated. A study is made of the change in the range of characterization as demonstrated in ballet.	3	1102	H. Ed.	A-V-Ad	125.00	57.3	67
404.451	Modern Chemist, The The film highlights man's continued search for knowledge, his scientific method of reasoning and his ability to reproduce the forces of nature in the laboratory. It stresses good motivation as an aid to teaching.	1½	432	Chemistry	J-A	130.00	86.3	67
404.5	Modern Dance Composition Introduction to Modern Dance techniques and composition; need for preparing whole body for dance movement; deals with elements of dance composition. Concepts illustrated in two dances.	1	451	Health	A	60.00	87.5	67
404.55	Modern France: Land and People	1	400	Soc. St.	J	60.00	24.1	66
404.56	Modern France: Land and People (color)	1	400	Soc. St.	J	110.00	24.1	66
404.82	Modern Mexico	1	400	Soc. St.	E	49.00	63	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
404.83	Modern Mexico (color) Shows Mexico's cities, industries, people, transportation, housing, education, sports and Spanish influence.	1	400	Soc. St.	E	100.00	63	63
405.2	Mohammedan World: Beginnings and Growth ...	1	400	Soc. St.	E-J-A-V	60.00	24.1	64
405.21	Mohammedan World: Beginnings and Growth (color)	1	400	Soc. St.	E-J-A-V	110.00	24.1	64
406	Molecular Theory of Matter	1	386	R.T.S.	V	60.00	39	64
407	Molding with Gated Pattern	1	400	Wood-working	V	36.41	71	67
407.5	Mollusks	1½	488	Bio.	A	75.00	39	66
407.51	Mollusks (color) The five classes of the phylum Mollusca, illustrating major characteristics of each by showing important representatives of the group.	1½	488	Bio.	A	150.00	39	66
407.9	Monarch Butterfly Story (color)	1	384	Sci.	E	120.00	39	66
407.95	Monkey and the Organ Grinder, The	1	400	L.A.	E	60.00	24.1	66
407.96	Monkey and the Organ Grinder, The (color) The monkey decides to go to the park alone when his master is too sleepy and leads the children back to his own backyard.	1	400	L.A.	E	110.00	24.1	66
407.97	Monkey Who Would Be King, The	1	375	L.A.	E	60.00	39	63
407.98	Monkey Who Would Be King, The (color) A fable showing all animals in the forest gathering to elect a new king.	1	375	L.A.	E	120.00	39	63
409.8	Moon and How it Affects Us, The	1	400	Sci.	(4-7 (Units	60.00	24.1	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
409.81	Moon and How it Affects Us, The (color) Scientific facts about the Moon—size and measurements compared to earth, location and names of seas, craters and mountain ranges. Explains phases of the moon, eclipses and tides.	1	400	Sci.	(72.1c (72.2a)	110.00	24.1	64
409.9	Moon, The Astronomical data concerning the moon, stressing the influence of the moon on the earth.	1	390	Sci.	J	60.00	39	66
410.51	Moor's Pavane, The Astronomical data concerning the moon, stressing the influence of the moon on the earth.	1½	559	Hlth. Ed.	A	80.00	12	66
410.52	Moor's Pavane, The (color) Astronomical data concerning the moon, stressing the influence of the moon on the earth.	1½	559	Hlth. Ed.	A	180.00	12	66
410.54	Moose Baby (color) Film goes through the life of a moose from a few hours after birth, through the seasons until the fourth year. Many natural scenes are shown including various animals and birds.	1½	572	Sci.	E	160.00	5	66
410.56	Mooti — Child of New India This film gives a picture of life in the new India today. The sequences cover the daily happenings of a farmer's family in a Hindu village.	1¼	500	Soc. St.	E-J	75.00	1.37	66
410.57	Mooti—Child of New India (color) This film gives a picture of life in the new India today. The sequences cover the daily happenings of a farmer's family in a Hindu village.	1¼	500	Soc. St.	E-J	135.00	1.37	66
410.6	More Dates For Kay This film gives a picture of life in the new India today. The sequences cover the daily happenings of a farmer's family in a Hindu village.	1	400	Guid.	J-A-V	60.00	24.1	63
410.61	More Dates For Kay (color) This film gives a picture of life in the new India today. The sequences cover the daily happenings of a farmer's family in a Hindu village.	1	400	Guid.	J-A-V	110.00	24.1	63
410.65	Morning Star (color) This film gives a picture of life in the new India today. The sequences cover the daily happenings of a farmer's family in a Hindu village.	3¾	1262	Soc. St. Sci.	E-J	342.00	39	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
410.67	Mosaics For Schools (color) _____ How a mosaic mural was designed and created by children in an elementary school. Planning, appreciation, motivation, creativity, processes, and techniques are shown.	1	375	Art, Tch.Tr.	E-Ad.	120.00	3	66
410.7	Mosquito _____	1	385	Sci.	E	60.00	39	66
410.79	Most For Your Money _____ This film points out the importance of thinking and comparing before buying.	1½	504	Soc. St. H. Eco.	J	85.00	62.5	67
410.81	Mother Cat and Her Baby Skunks _____	1	387	Lang. Art	E	60.00	39	64
410.82	Mother Cat and Her Baby Skunks (color) _____ Tells the story of a mother cat who adopts three baby skunks and raises them with her own kittens.	1	387	Lang. Art	E	120.00	39	64
410.83	Mother Deer and Her Twins _____	1	380	Sci.	K-2	60.00	39	65
410.84	Mother Deer and Her Twins (color) _____ Tells the story of twin fawns, from the age of two days to a year, showing how the mother deer cares for and protects her babies.	1	380	Sci.	K-2	120.00	39	65
410.85	Mother Goose Rhymes: Background for Reading and Expression _____	1	400	L.A.	E	60.00	24.1	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
410.86	Mother Goose Rhymes: Background for Reading and Expression (color) Barry and Linda while reading Mother Goose stories dream of a trip through Mother Goose-Land. While there the sheep of Little Bo-Beep are lost. While looking for them the children meet other Mother Goose characters.	1	400	L.A.	E	110.00	24.1	63
410.91	Mother Goose Stories ———	1	369	L.A.	E	60.00	3	66
410.92	Mother Goose Stories (color) —————	1	369	L.A.	E	110.00	3	66
410.94	Mother Hen's Family ———	1	400	Early Ch.	E	60.00	24.1	64
410.95	Mother Hen's Family (color) —————	1	400	Early Ch.	E	110.00	24.1	64
410.96	Mother Love ————— By use of baby rhesus monkeys, startling conclusions on mother-child relationships are seen in remarkable films showing unexpected reactions of babies to their mothers.	3	962	Sci.	A-V CLC	135.00	20.5	65
410.97	Mother Mack Trains Her Seven Puppies (color) —	1	400	L.A.	E	90.00	48	63
410.971	Mother Mack's Puppies Find Happy Homes (color) ————— When the puppies are well trained, neighbors and friends come to choose one. All find happy homes with care and affection in a variety of families.	1	400	L.A.	E	90.00	48	65
410.98	Mother Rabbit's Family —	1	382	L.A.	E	60.00	39	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
410.99	Mother Rabbit's Family (color) Mother Rabbit's family is depicted at home in the woods. A little rabbit is shown on a journey through the woods, the dangers he meets, animals, children and his rescue by his mother and happy return to his family.	1	382	L.A.	E	120.00	39	63
411.1	Motor Mania (color) Mr. Walker, a pleasant, courteous man, and a good citizen becomes Mr. Wheeler, a different man when he is behind the wheel of a motor car.	1	400	Driver Ed.	A	100.00***	28	65
411.2	Mount Vernon in Virginia	2	792	Soc. St.	E-J-A-V	120.00	62.5	67
411.3	Mountain Farmers (Switzerland)	2	800	Soc. St.	E-J	110.00	89	64
411.4	Mountain Stream (color) Traces a mountain stream from its start high up on the mountain to the ocean. Pictorial presentation set to music.	¾	300	A	E-J-A-V	85.00	86.5	63
411.42	Mountain Waters A study of the Cascade Range. Emphasis is on the mountains as a supply and source of water.	1½	610	Sci.	4-6	150.00	63.5	66
411.45	Mountains of the West A classroom film on the physical and economic geography of the mountainous areas of western Canada.	2	730	Soc. St.	E-J	90.00	64	65
411.5	Mountains on the Move (color) The formation of mountains, scenes of various types, and effects of heat, cold, water, glaciers, etc. on mountains.	1	400	Sci.	J-A-V	100.00	73.02	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
412.53	Mr. and Mrs. Robin's Family	1	400	Sci.	K-3	60.00	24.1	63
412.54	Mr. and Mrs. Robin's Family (color) Film illustrates the life cycle of the Robin. Shows building the nest, hatching of the eggs, feeding and growth of the baby Robins.	1	400	Sci.	K-3	110.00	24.1	63
412.55	Mr. Chairman	1¼	500	Lang. Art Soc. St.	A	75.00	39	65
412.551	Mr. Chairman (color) In a series of dramatic episodes, presented entirely in animation, MR. CHAIRMAN shows how any organized group can talk things over and reach decisions efficiently and fairly.	1¼	500	Lang. Art Soc. St.	A	150.00	39	65
412.56	Mr. Stickleback	1	400	Bio.	A-V	50.00	1.15	63
412.6	Movie Set In Action Step by step process of the preparation for the shooting of scenes in a motion picture. Functions of all persons involved in the "shooting" are demonstrated.	1	400	Lang. Art	J-A-V	120.00	21.5	67
412.61	Movies Learn To Talk The development of sound movies from early experiments with clumsy systems to the polished and sophisticated sound film of today. The film includes 34 personalities & excerpts from 12 silent and sound movies.	3	1080	Lang. Art	A-V	135.00	62.5	67
412.65	Moving Spirit	2	756	Sci.	J	80.00	85	53

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
412.66	Moving Spirit (color) _____ Depicts the development of the "horseless" carriage from the earliest engine types to the latest gasoline engine types. Mentions early prejudice against the self-propelled vehicles, the need for better roads, and some technical aspects of the internal combustion engine.	2	756	Sci.	J	170.00	85	63
412.67	Moving Things on Land _____	1	395	Sci.	3-6	50.00	21.4	64
412.68	Moving Things on Land (color) _____ The various ways people have devised to reduce friction amusingly shown. Friction's usefulness dramatized by excursion into startling world where it does not exist.	1	395	Sci.	3-6	100.00	21.4	64
412.7	Moving X-Rays _____	1	400	Sci.	J	50.00	1.15	66
412.75	Mozart and His Music _____	1½	500	Music	J-A	75.00	24.1	64
412.751	Mozart and His Music (color) _____	1½	500	Music	J-A	137.50	24.1	64
412.81	Multiplication Is Easy _____	1	400	Math.	J	60.00	24.1	64
412.82	Multiplication Is Easy (color) _____ Develops reason for using multiplication facts in a toy rental club setting.	1	400	Math.	J	110.00	24.1	64
412.823	Muscles and Bones of The Body _____	1	400	Health	5-9	60.00	24.1	66
412.824	Muscles and Bones of The Body (color) _____ Film emphasizes importance of muscles and bones to the internal and external functioning of the human body.	1	400	Health	5-9	110.00	24.1	66
412.83	Music: Career or Hobby _____	1	400	Guid.— Music	J-A-V	60.00	24.1	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
412.84	Music: Career or Hobby (color)	1	400	Guid.— Music	J-A-V	110.00	24.1	64
412.845	Music for Children The direction of young children's natural urge to "bang on something" to simple musical instruments, or to clapping songs.	1½	600	Music Tch. Tr.		80.00	24.04	65
412.85	Music for Young People Elements of Composition Melody, harmony, rhythm and counterpoint are defined, explained and contrasted. Each element is illustrated by the New York Woodwind Quintet.	2½	970	Music	E-J-A-V	125.00	57.3	63
412.86	Introducing the Woodwinds The characteristics of the instruments in a woodwind quintet are described The New York Woodwind Quintet introduces the flute, piccolo, bassoon, oboe, clarinet and French horn.	2	820	Music	E-J-A-V	100.00	57.3	63
412.87	Percussion, the Pulse of Music The sounds and uses of wooden, skin-covered, and metal percussion instruments are described and demonstrated. Illustrates how music can be made by clapping and on instruments without much practice.	2	750	Music	E-J-A-V	100.00	57.3	63
412.871	The Classic Guitar Discusses and demonstrates the use of the versatility of the instrument and explains how color and other effects are produced. Features Rey de la Torre.	3	1075	Music	E-J	125.00	57.3	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
412.872	Flute and Harp Explains how the harp produces sounds, and reviews its development from early times. Explains and demonstrates techniques of playing, tuning, and producing special effects.	3	1075	Music	E-J	125.00	57.3	65
412.873	The String Quartet and Its Music Presents a history of the literature for the string quartet. Shows paintings contemporary with the musical selections that are played. Features the Juilliard String Quartet.	3	1075	Music	E-J	125.00	57.3	65
412.874	The Voices of the String Quartet Introduces the instruments of the string quartet and indicates similarities and differences among them. Presents selections in a variety of moods, including musical imitations of brasses, organ and harp.	3	1075	Music	E-J	125.00	57.3	65
412.9	Music in the Wind Skilled craft of the organ builder. Shows all types of pipes and voices.	1	348	Music	J-A-V	45.00	85	65
412.92	Music of Williamsburg (color) Presents, in part or entirety, seventeen authentic 18th century vocal and instrumental selections which are a part of America's musical and cultural heritage.	3	1039	Music Soc. St.	J-A-V	260.00**	23	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
412.93	Music Reading Shows how, in the fifth year, ability to read music at sight develops naturally from previous music experiences from kindergarten on. Reading music is based on knowledge of rhythm, tone, steps and skips and pitch; and the conscious observation of likes and differences in phrases.	2	700	Music	E	95.00	59	66
412.95	Musical Instrumental Strings	1	400	Music	J-A-V	55.00	61.8	65
412.96	Musical Notes	1	432	Sci.	A-V	75.00	89	67
412.98	Mussolini Story of Mussolini, covering the period of the Italian dictator's life from the end of World War I to April 28, 1945, when the Communist partisans captured and shot him.	2½	972	Soc. St.	A	135.00	62.5	65
413.2	My Own Yard To Play In Photographed on the streets of New York, this film reveals the wonderful world children create at play, the songs they sing, the stories they tell.	1	278	Tch. Tr. Parents		70.00	54.1	65
413.3	My Pop's A Lineman A lineman takes his son with him on a typical workday, where several dangerous situations arise. A safety film for schools.	1½	578	Safety	E-J-A-V	165.00	57.8	64
413.32	Mysterious "X" (Algebra) Demonstrates everyday applications of algebra and shows how scientists use its terms to explain the phenomena of nature. Uses marionette technique.	3	1100	Math	J-A-V	150.00	13	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
413.35	Mystery In The Kitchen —	2	840	Health	J-A-V	90.00	64	66
413.351	Mystery In The Kitchen (color) ————— Dramatizes some of the effects of poor nutrition and suggests proper nutrition habits.	2	840	Health	J-A-V	180.00	64	66
413.4	Mystery Of The Sun, The The use of rockets in a new development in astronomy — used to measure x-rays and ultra violet rays of the sun.	3	962	Sci.	A	135.00	20.5	65
✓ 413.5	Myth Superstition and Science (color) ————— Designed as an introduction to the scientific method for grade school students.	1½	470	Sci.	5-6	145.00	57.8	66
413.6	Nanook of the North Nature Makes a Garden	6	1835	Soc. St.	E	300.00	24.04	63
413.9	Napoleonic Era, The —————	1½	500	Soc. St.	A-V	75.00	24.1	63
413.91	Napoleonic Era, The (color) ————— Describes rise and fall of Napoleon. Emphasis is placed upon achievements of Napoleon.	1½	500	Soc. St.	A-V	137.50	24.1	63
414.3	Nationalism —————	2	717	Soc. St.	A-V 81.4d	120.00	39	63
414.37	Natural Enemies of Insect Pests ————— The various enemies of insects are depicted as they feed on the insects injurious to man.	2½	990	Sci.	J	195.00	89.3	64
414.4	Natural Resources of the Pacific Coast —————	1	400	Geo.	E	50.00	24.1	64
414.5	Natural Resources of the Pacific Coast (color) —	1	400	Geo.	E	100.00	24.1	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
414.9	Nature of Color (color)..... This shows Newton's principles of color due to refraction of white light. Illustrations of mixing of color by addition and subtraction of colors. There are practical applications of use of color to printing and photography.	1	400	Sci.	J	110.00	24.1	67
415.1	Nature of Energy, The	1	400	Gen. Sci.	J-A-V	60.00	24.1	63
415.11	Nature of Energy, The (color)	1	400	Gen. Sci.	J-A-V	110.00	24.1	63
415.5	Nature of Heat	1	400	Sci.	(J-	60.00	24.1	64
415.51	Nature of Heat (color)	1	400	Sci.	(Unit (72.4	110.00	24.1	64
	The nature of heat is explained as the sum total of all the kinetic energies of moving molecules. Experiments are shown which explain the methods by which heat is transmitted from place to place by conduction, convection and/or radiation.							
415.7	Nature of Light	1	400	Sci.	(J-	50.00	24.1	64
415.71	Nature of Light (color) Experiments are shown which explain the laws of reflection and refraction of light.	1	400	Sci.	(Unit (92.4c	100.00	24.1	64
415.8	Nature of Sound	1	400	Sci.	(J-	60.00	24.1	64
415.81	Nature of Sound (color) Compares the speed of sound with that of light. Shows what is meant by pitch, volume and quality of sound. Various mediums that conduct sound are discussed.	1	400	Sci.	(Unit (92.2	110.00	24.1	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
	Nature Makes A Garden (color)							
416.11	Planting Our Garden	1	401	Sci.,Nat.	E	120.00	39	63
416.12	Taking Care of Our Garden	1	346	Sci.,Nat.	E	120.00	39	63
416.13	Food From Our Garden.....	1	360	Sci.	E	120.00	39	63
416.15	Nature's Engineer	1	367	Sci.	3-6	45.00	31	66
416.151	Nature's Engineer (color) Complete life cycle of beaver. Illustrates how he builds his dams, constant use of teeth, split toe on his hind foot. Profit, harm and enemies.	1	367	Sci.	3-6	100.00	31	66
416.2	Nature's Plan (color)	1½	509	Sci.—S.S.	J-A-V	150.00	39	64
418	Neighborhood Story Dramatizes the program offered by the Baden Street Settlement to the residents of Rochester, New York. Shows typical case study.	3	1200	Guid.	T.T.	100.00	86.4	66
✓ 419.2	Neighbors Using music without any dialogue, this film shows through animated drawings how two men, previously good neighbors, become deadly enemies because each insists upon sole possession of a flower which springs up on the line dividing their property. So intent do they become upon annihilating each other that they completely destroy the blossom, as well as themselves and their families. The film ends with the moral, "Love Your Neighbor" set forth in many languages.	1	322	SS-Guid	A-V	120.00	57.8	66
419.5	Netherlands: Past and Present	1	400	Soc.St.	E-J	60.00	24.1	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
419.51	Netherlands: Past and Present (color) We examine rural and urban life, and see the traditional occupations of the people. Modern occupations and developments also shown.	1	400	Soc.St.	E-J	110.00	24.1	66
421.07	New England: Background for Literature	1	400	Eng.	J-A-V	60.00	24.1	65
421.08	New England: Background for Literature (color)	1	400	Eng.	J-A-V	120.00	24.1	65
422.5	New Horizons for Old Shows the evolution of the growth of the airplane from the Wright brothers, through Bleriot, the NC4, until Lindberg. Trial flights and their failures are shown.	1	450	Sci.	4-6	70.00	73.02	64
423	New House, The: Where It Comes From	1	400	Soc.St.	E-J	60.00	24.1	66
423.1	New House, The: Where It Comes From (color)..... Shows the process of building a one family house. The entire operation is depicted from the work of the surveyor to finishing touch by man working in the interior.	1	400	Soc.St.	E-J	110.00	24.1	66
424.5	New Tools for Learning.....	2	722	Tch.Tr.		50.00	39	67
426.1	New York City	1	380	Soc.St.	E-J	36.00	39	63
426.11	New York City (color)	1	380	Soc.St.	E-J	103.20	39	63
426.2	N. Y. Philharmonic Orchestra with Mitropoulos	1	400	Music	J-A-V	125.00**	62.8	64
426.3	New York Public Library A tour of the most used library in the world . . . in which is stored the sum total of man's wisdom and experience. How the library works.	1	180	Lang. Art.	E-J-A	25.00	72.3	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
426.35	New Zealand: The Land and People	1	400	Soc. St.	6-9	60.00	24.1	65
426.351	New Zealand: The Land and People (color) Presents the land and people of present day New Zealand.	1	400	Soc. St.	6-9	120.00	24.1	65
426.37	Newcastle, Industrial City Gives pupils an insight of the daily activities of life in an industrial city down under.	1	328	Soc. St.	J-A	85.00	1.5	67
426.4	Newspaper Serves Its Community, A	1½	520	Soc. St. Lang. Art	5-9	70.00	43	65
426.41	Newspaper Serves Its Community, A (color) Film shows how a newspaper works and emphasizes the many ways in which it serves its community. Film follows the reporting of a local news event; arrival of a new baby elephant for the town zoo. Step by step process.	1½	520	Soc. St. Lang. Art	5-9	140.00	43	65
426.5	Newspaper Story	1½	601	Soc. St. Lang. Arts	E-J-A-V	90.00	39	65
426.55	Next Door to Siberia	1	435	Soc. St.	E	60.00	3	66
426.56	Next Door to Siberia (color) This picture illustrates three aspects of Eskimo life in the frozen wastes of Diomed Island, near Siberia.	1	435	Soc. St.	E	110.00	3	66
426.61	Night and Bad Weather Driving	1	400	Dr. Ed.	J-A-V	50.00	74.05	64
426.65	Night Before Christmas, The Clement Moore's poem dramatized and set to music.	1	383	Soc. St. Lang. Arts	Prim.	60.00	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
426.68	Nightmare in Red First authentic reconstruction of the historical drama of Communism inside Russia covers the old Czarist order, revolutions of 1905 and 1917, Provisional Government, early days of Communist era, Purge Trials, World War II, today.	5	1944	Soc. St.	A	195.00	62.5	64
426.7	Nile River Basin — And The People of the Upper River	1½	600	Soc. St.	E-J	75.50	1.11	64
426.71	Nile River Basin And The People of the Upper River (color)	1½	600	Soc. St.	E-J	150.50	1.11	64
426.8	Nile River Valley And The People Of The Lower River	1½	600	Soc. St.	J-A	75.40	1.11	66
426.81	Nile River Valley And The People Of The Lower River (color) The Nile River, its tributaries and the valleys thru which it flows; the social-economic conditions as they are affected by the Nile; the ancient ruins of Egypt.	1½	600	Soc. St.	J-A	150.40	1.11	66
427	Nitric Acid Compounds And The Nitrogen Cycle	1¼	700	Sci. Chem.	A	105.00	24.1	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
427.1	Nitric Acid Compounds And The Nitrogen Cycle (color) Lab experiments demon- strate the properties of nitric acid and we see some of the many im- portant uses of nitric acid compounds in the manu- facture of explosives, paints, p h o t o g r a p h i c chemicals and fertilizer. The nitrogen cycle is il- lustrated as part of the overall concept of nitro- gen fixation.	1¾	700	Sci. Chem.	A	210.00	24.1	65
427.2	Nitrogen and Ammonia	1½	600	Chem.- Adv.		90.00	24.1	65
427.21	Nitrogen and Ammonia (color) Examines the properties of molecular nitrogen and some of the simple com- pounds of n i t r o g e n, oxides, and nitrides. Am- monia, most important of the simple nitrogen com- pounds, is explained in detail.	1½	600	Chem. Adv.		180.00	24.1	65
427.3	Nitrogen Cycle Develops the principle and importance of the Nitro- gen cycle in life activities.	1½	560	Bio.	J-A-V	80.00	89	65
427.4	No Man Is An Island Human relations is the theme. Two friends, one white, one Negro, find their friendship tested by the fears and prejudices of a community.	3	1066	Soc. St. Human- Rel	J-A-Ad	135.00	20.5	67
✓ 427.5	No Time To Spare	1	420	Health Ed.	E-J-A-V	70.00**	57.8	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
✓ 427.51	No Time To Spare (color) Demonstration of the back-pressure, arm lift method of artificial respiration in a variety of situations is shown. Depicts different method for adults, young children and infants.	1	420	Health Ed.	E-J-A-V	135.00**	57.8	65
427.6	Nomads of the Desert	2	300	Soc. St.	E	110.00	89	64
427.7	Nomads of the Jungle	2	800	Soc. St.	E	110.00	89	64
427.71	Nomads of the North	2	564	Soc. St.	E-J	97.50	53	63
427.73	Nomads of the North	1	435	Soc. St.	E	60.00	3	66
427.74	Nomads of the North (color) Eskimo life in the icy wastes of the north; the Nomad type of existence, the fight for survival against the elements, the dependence on the reindeer herds for much of their food and clothing, the care of the herds used to illustrate the meagre existence which the Eskimo is able to wring from the land.	1	435	Soc. St.	E	110.00	3	66
427.77	Non-Objective Art (color) Summation of the non-objective type of painting, using examples in full color to illustrate the unique characteristics of this classification.	1	285	Art	J-A-V	70.00	3	67
427.78	None for the Road A scientific discussion of the effects of alcohol on human reactions applied clinically to mice and practically to teenage driving.	1½	600	Hlth. Ed.	J-A-V	75.00	62.5	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
427.79	North American Elk	1	372	Sci.	4-6	45.00	31	66
427.791	North American Elk (color) Describes the life cycle of the elk, or wapiti, and the conservation program to perpetuate the herds.	1	372	Sci.	4-6	100.00	31	66
427.8	North of the Arctic Circle	2	750	Soc. St.	4-9	90.00	85	65
427.81	North of the Arctic Circle (color) Summer safari through Norway whose climate is entirely out of line with its latitude. Reason: The Gulf Stream.	2	750	Soc. St.	409	190.00	85	65
427.85	North Pole Film discusses the air age geography of the North Pole region, using live action and animation to explain the importance of early and modern polar exploration, & its routes in today's world.	1	432	Soc. St.	J-A-V	60.00	62.5	67
427.91	Northeast Farm Community	1	552	Soc. St.	E-J	75.00	57.3	67
427.911	Northeast Farm Community (color) Portrays in authentic settings, the life of a north-eastern farm family in the early 1800's. The farmer's use of village service is illustrated.	1	552	Soc. St.	E-J	150.00	57.3	67
428.5	North-West Horizon The remote north-west of Australia and how it is being developed.	1½	642	Soc. St.	CLC J	170.00	1.5	67
429.2	Norway	1	400	Soc. St.	E	36.00	39	63
429.21	Norway (color)	1	400	Soc. St.	E	103.20	39	63
429.37	Norwegian Children	1	396	Soc. St.	E-J	60.00	39	65
429.4	Nose: Structure and Function	1	403	Hlth. Ed.	A-V	60.00	39	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
429.41	Nose: Structure and Function (color)	1	403	Hlth. Ed.	A-V	120.00	39	65
	Film illustrates the physiology and the breathing and smelling functions of the nose; the ingenious protective system of the the breathing organs and the reasons for breakdowns in the nasal passages.							
429.5	Nose, Throat, Ears, The	1½	436	Hlth. Ed.	A-V	65.00	62.5	64
429.55	Not By Chance	2½	1000	Guid.	J-A-V	175.00	64.5	63
429.56	Not By Chance (color)	2½	1000	Guid.	J-A-V	275.00	64.5	63
	Donna, a prospective teacher, acquires the knowledge, the understanding of children, and the special skills that will make her a good teacher. For teacher recruitment.							
429.58	Nous Voyageons En France	1	400	French	E-J-A	65.00	21.4	66
429.581	Nous Voyageons En France (color)	1	400	French	E-J-A	115.00	21.4	66
	A documentary of a journey made by two French girls and their father on a river boat. Narrated slowly and enunciated clearly by a native Frenchman. Planned repetition of common words with frequent silences allow the beginning student to follow and understand. (Includes tape of narration).							
429.591	Nuclear Radiation-Detectors	1½	545	Sci.	CLC	75.00	21	67
429.592	Nuclear Radiation-Detectors (color)	1½	545	Sci.	CLC	150.00	21	67
	A film for high school physical science classes explaining the detection and instrumentation of radioactivity.							

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
429.6	Nuclear Reactor After a brief review of (a) the U atom (b) ra- dioactivity (c) fission (d) chain reaction (e) moderator, the operation of a nuclear reactor is described.	1	324	Phy. Sci.	A	55.00	62.5	65
429.62	Nuclear Physics- Cosmic Rays	3	1100	Physics- Chem.	A	165.00	39	67
429.621	Nuclear Physics-Cosmic Rays (color) The discovery of the po- sitron is discussed. A de- scription of the continu- ous Wilson Cloud Cham- ber and cosmic ray show- ers is given. The predic- tion and observation of electron pair production is shown.	3	1100	Physics- Chem.	A	330.00	39	67
429.622	Nuclear Physics- Radiation Measurements (Lab)	3	1100	Physics	A	165.00	39	67
429.623	Nuclear Physics-Radiation Measurements (Lab) (color) The absorbion of pene- trating radiation by mat- ter is described Measure- ments of the absorbion of beta and gamma rays, by solids, are made by means of a Geiger-Muel- ler counter.	3	1100	Physics	A	330.00	39	67
429.624	Nuclear Physics- Transmutation	3	1100	Physics	A	165.00	39	67
429.625	Nuclear Physics- Trans- mutation (color) The disintegration and transmutation of atomic nuclei, produced by high energy atomic particles from typical accelerators, are described. Neutron disintegration and the dis- covery of mesons are dis- cussed.	3	1100	Physics	A	330.00	39	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
429.7	Number Fields Concepts of sets, closures and number fields are developed in this film for ninth grade algebra teachers, and benefits of considering algebraic problems in terms of sets and number fields strikingly shown.	1½	612	Math. Tch. Tr.		115.00	62.5	65
429.75	Numbers for Beginners	1	400	Math.	E	60.00	59	65
429.751	Numbers for Beginners (color) Visualizes the numbers from 1 to 6 by presenting simple illustrations involving number and pointing out the number fact. Visually emphasizes number relationships.	1	400	Math.	E	110.00	59	65
429.8	Nurse, The	1	394	Parents H. Ed. Guid.	E-J-A-V	60.00	39	65
429.81	Obesity	1	442	Bio.—H.	A-V	60.00	39	63
429.82	Obesity (color)	1	442	Bio.—H.	A-V	120.00	39	63
430	Ocean Of Air, The (color) Introduces basic principles relating to the nature and composition of air. Stresses the importance of this great resource available to all, in everyday activities, and in exploration of ocean depths and regions beyond our earth.	1¾	490	Sci.	J-7	135.00	89	66
430.2	Ocean Voyage	1¾	474	Soc. St.	E-J	75.00	39	66
430.21	Ocean Voyage (color) A youthful seaman on a Greek ship tells about his ocean voyage, preparations in port for departure, piloting the ship to sea, the sea voyage, passenger and crew life at sea, safety drills and Radar protection.	1¾	474	Soc. St.	E-J	150.00	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
430.4	Office Courtesy	1	423	Bus. Ed.	J-A-V	60.00	39	64
430.41	Office Courtesy (color)	1	423	Bus. Ed.	J-A-V	120.00	39	64
430.45	Office Etiquette	1½	496	Bus. Ed.	V	75.00	39	66
430.5	Office Teamwork	1	436	Bus. Ed.	A-V	60.00	39	64
430.51	Office Teamwork (color).....	1	436	Bus. Ed.	A-V	120.00	39	64
430.6	Ohio River Lower Valley	1	400	Soc. St.	J	50.50	1.11	64
430.61	Ohio River Lower Valley (color)	1	400	Soc. St.	J	100.50	1.11	64
430.62	Ohio River Upper Valley	1	400	Soc. St.	J	50.50	1.11	64
430.63	Ohio River Upper Valley (color)	1	400	Soc. St.	J	100.50	1.11	64
430.9	Ohm's Law	¾	200	Sci.	(J-	30.00	24.1	64
430.91	Ohm's Law (color)	¾	200	Sci.	(Unit 83.4	55.00	24.1	64
	The water analogy is used to explain the factors involved in the measurement of amperes, volts and ohms. Ohm's Law is explained and demonstrations are depicted to explain its use in electrical measurement.							
431.3	Oil	1	400	Sci.	E-J	50.00	1.15	63
431.33	Oil Painting Methods	1	396	Art	A	110.00	1.12	66
	The film examines the nature and techniques of the two methods fundamental to all oil painting and shows how the painter's selection of method will affect his work. The indirect method used since the discovery of oil paint is illustrated.							
431.4	Old Ironsides	1	220	Soc. St.	J	30.00	72.3	65
	A look at the USS Constitution, while Oliver Wendell Holmes famous poem is recited by narrator Dwight Weist.							
432.1	On the Way to School	1	400	Lang. Arts	E	60.00	24.1	63
	Soc. St.							

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
432.11	On the Way to School (color)	1	400	Lang. Arts Soc. St.	E	110.00	24.1	63
432.2	On Your Feet (color)..... A sixth grade boy demonstrates a set of "Do It Yourself Rules" for care of feet. Using a cowboy tending his pony to exemplify the adage "Take care of your mount and he'll take care of you", feet are shown as hardworking 'mounts'.	1	400	Health Ed.	E	100.00	76.8	65
432.4	Once Upon a Bicycle	1	378	Hlth. Ed.	E-J-A-V	60.00	26	64
432.41	Once Upon a Bicycle (color)	1	378	Hlth. Ed.	E-J-A-V	120.00	26	64
	The bicycle is a vehicle and should be kept in good mechanical condition in order to insure safe riding. Traffic laws and regulations must be learned and observed by riders as well as for motorists.							
433	One Against the World	1	400	Sci.	A	30.00***	87	64
434.1	One Day on the Farm	1	400	Soc. St.	Prim.	60.00	24.1	66
434.11	One Day on the Farm (color)	1	400	Soc. St.	Prim.	110.00	24.1	66
	Tasks of the farmer and his family, how the cows and chickens are cared for, what they eat and their value to the farmer in milk and egg production, preparation for birth of calf and views of newborn calf.							
434.5	One Day's Poison	3	1092	Safety	E-J-A-V	120.00	64	64
	Prevention of accidental poisoning of children major death cause, is dramatized in this film about the world of Poison Control Centers.							

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
✓ 435	One Little Indian (color)... Indian boy puppet learn 3 safety rules on a visit to the city. Kindly people save him from being hurt. Then he passes on what he learned to his audience.	1½	570	Safety	E	180.00	57.8	65
435.8	One Nation (Constitution Series) Reel No. 1 — Development of the Constitution as a result of compromise. Reel No. 2 — Legislature of Virginia debates preceding ratification of the Constitution.	6	2160	Soc. St.	J-A-V	150.00	62.5	67
435.81	One Nation Indivisible (Constitution Series) The issue of slavery and the struggle to become one nation, indivisible.	6	2160	Soc. St.	J-A	150.00	62.5	67
437.1	One Rainy Day	1	400	Lang. Arts	E-J	60.00	24.1	63
437.11	One Rainy Day (color)	1	400	Lang. Arts	E-J	110.00	24.1	63
437.15	One Way to Build a Flat Demonstration of making a flat. Accuracy is stressed and the need for accuracy demonstrated.	1¼	530	Drama Lang. Art	A	67.50	89.3	64
✓ 437.2	Onion, The (Life Cycle)..... Starts with the onion seed and takes it through the two year cycle showing the growth of the bulb, the first year and the development of the flower and seeds in the second year. Shows alternate or uneven maturation of pollen and ovules.	1	418	Bio.	A	65.00	57.8	66
437.3	Opening of Parliament For the first time in history, the camera records the traditional ceremonies of the opening of Canada's Parliament.	2	717	Soc. St.	6-9	80.00	64	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
437.4	Operation and Care of Ampro Super Stylist Projector Step by step procedure in unpacking and setting up Ampro Super Stylist Sound Motion Picture Projector. Pre-show check list, reminding procedure, tips for good projection, routine maintenance included.	2	766	T.T.	J-A-V	100.00	57.8	63
437.5	Optical Illusions Shows the basic functions and operations of the eye using many tricks to illustrate optical illusions.	1	420	G. Sci.- Physics	J-A-V	55.00**	62.5	63
438.03	Oregon Trail Portrays the hardships in crossing the continent from Independence, Mo., along the "Big Medicine Trail" to find homes in the Oregon Country.	2½	914	Soc. St.	E-J	135.00	39	67
438.05	Oriental Brushwork (color) Shows the brush stroke examples of two painters Tyrus Wong and Chiura Obata showing first the Chinese and then the Japanese artists, work.	1½	573	Art	A-V	180.00	39	66
438.13	Origin of Weather Visual exposition of the behavior of clouds, storms, and hurricane by three of the nation's foremost meteorological experts.	3	962	Sci	A	135.00	20.5	55

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
✓ 438.16	Ostrich, The (color) Shows the ostrich in various phases of its life cycle. Pictures of ostriches on a farm illustrate 8' size, inability to fly, highly adapted running feet and legs, the type of country in which they live, their feeding habits, and their nesting habits.	¾	258	Sci.	E	80.00	57.8	63
438.31	Our America, The Beginning — Jamestown, Williamsburg and Yorktown	1	430	Soc. St.	E-J	55.00	72.15	64
438.32	Our America, The Beginnings — Jamestown, Williamsburg and Yorktown (color)	1	430	Soc. St.	E-J	100.00	72.15	64
438.33	Our America, The West—The Colorado River	1½	615	Soc. St.	E-J	80.00	72.15	64
438.34	Our America, The West—The Colorado River (color)	1½	615	Soc. St.	E-J	150.00	72.15	64
438.4	Our Animal Neighbors	1	400	Nat., Sci.	E	50.00	24.1	64
438.5	Our Baby (color) Laurie, the fourteen month old baby, is helped to gain security and develop self-reliance through daily activities in a family closely knit by mutual affection and understanding.	1	600	Parent Ed.		130.00	48	65
438.6	Our Common Fuels	1	400	Soc. St. Gen. Sci.	E	50.00	24.1	64
438.8	Our Community	1	400	Soc. St.	E-J	60.00	39	63
438.81	Our Community (color)	1	400	Soc. St.	E-J	120.00	39	63
438.82	Our Constitution	2	800	Soc. St.	J-A-V	100.00	1.15	63
438.9	Our Country's Emblem	1	400	Soc. St.	E-J	60.00	24.1	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
438.91	Our Country's Emblem (color) Reason for "The Great Seal of the United States" and the meaning behind each symbol.	1	400	Soc. St.	E-J	110.00	24.1	66
438.92	Our Country's Flag (2nd Edition)	1	400	Soc. St.	4-6	60.00	24.1	66
438.93	Our Country's Flag (2nd Edition) (color) Our new flag of fifty stars and thirteen stripes is explained. The "Pledge of Allegiance" and rules of respect to flag are reviewed clearly.	1	400	Soc. St.	4-6	110.00	24.1	66
438.95	Our Dog Show After seeing a large city Dog Show, a group of children hold a neighborhood dog show. Presents the social concepts of community, a group project, and interdependence.	1½	600	Sci.- Soc. St	E	150.00	59	66
438.955	Our, Election Day Illusions Parts I and II					250.00	20.5	67
438.956	Repres. & Gerrymandering Part I A legislator representing 80 persons has an equal vote of one representing 30,000. <i>Gerrymandering</i> — the practice of re-shaping districts in favor of party in power.	3	1071	Soc. St.	J-A	135.00	20.5	67
438.957	The Electoral College Part II An insight into the actual workings of The Electoral College, and vigorous discussions as to it's merits by many prominent legislators.	3	942	Soc. St.	J-A	135.00	20.5	67
438.96	Our Family Works Together	1	400	Soc. St.	E	60.00	24.1	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
438.97	Our Family Works Together (color) —————	1	400	Soc. St.	E	110.00	24.1	64
	Stresses the importance of the family's playing and working together to make the home a pleasant place in which to live.							
438.98	Our Farming Pioneers ———	1	325	Soc. St.	E-J-A	45.00	72.3	65
	The Farmer's Museum at Cooperstown, N. Y. One room country school-house, general store, a frontier farm. Flax grown and spun into thread; then woven.							
439	Our Feet —————	1	402	Health Ed.	A-V	50.00**	15	67
439.3	Our Filipino Friends— In The City —————	1	400	Soc. St.	E-J	98.00**	72.14	65
	Film shows the imports and exports of the Philippines, city life, sports, recreation, transportation, public buildings and educational facilities.							
439.31	Our Filipino Friends— In The Country —————	1	400	Soc. St.	E-J	98.00**	72.14	65
	Film describes the location, topography and general characteristics of the Philippines. Fishing and farming are covered as well as the manufacture of products for export.							
439.4	Our Friend the Atom ———	4	1600	Sci	J-A-V	350.00***	28	63
	Uses historical approach to lead into atomic structure and applications of atomic energy. Ends with an appeal for interest in science and mathematics.							
439.5	Our Good Neighbors, Rio de Janeiro (Brazil) ———	1	430	Soc. St.	E-J	55.00	72.15	64
439.51	Our Good Neighbors, Rio de Janeiro (Brazil (color) —————	1	430	Soc. St.	E	100.00	72.15	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
439.59	Our Inheritance From Historic Greece	1	400	Soc. St.	A	60.00	24.1	67
439.591	Our Inheritance From Historic Greece (color) Influence of classic Greece on modern art, architecture, dress, drama, language, science and so- cial institutions is pre- sented by juxtaposing his- toric originals and mod- ern counterparts.	1	400	Soc. St.	A	100.00	24.1	67
439.6	Our Inheritance From the Past	1	400	Soc. Sci.	A	60.00	24.1	66
439.61	Our Inheritance From the Past (color)	1	400	Soc. St.	A	110.00	24.1	66
440.1	Our Latin American Neighbors Climate and Resources	1	400	Spanish	A	50.00	74.05	64
440.11	Education and Health	1	400	Spanish	A	50.00	74.05	64
440.12	History and Government....	1	400	For. Lang.	J-A-V	50.00	74.05	64
440.13	Home and Family	1	400	For. Lang.	J-A-V	50.00	74.05	64
440.14	Industry and Commerce....	1	400	Spanish	A-V	50.00	74.05	64
440.15	The People of Mexico	1	400	Spanish	A	50.00	74.05	64
440.16	Travel in Mexico	1	400	Spanish	A	50.00	74.05	64
440.17	Workers of Mexico	1	400	Spanish	A-V	50.00	74.05	64
440.3	Our Living Constitution	1	400	Soc. St.	E-J-A-V	60.00	24.1	65
440.31	Our Living Constitution (color)	1	400	Soc. St. Guid.	E-J-A-V	120.00	24.1	65
440.4	Our Monroe Doctrine	2	800	Soc. St.	J-A-V	100.00	1.15	67
440.5	Our Natural Resources (color)	1	375	Soc. St.	E-J-A-V	100.00**	29	66
	A good summary of our natural resources such as lumber, minerals and water; how to conserve our natural resources.							
440.55	Our Post Office	1	385	S.S.-L.A.	E	50.00	39	57

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
440.56	Our Post Office (color) Steps involved in postal operations — addressing envelope, getting money order, mailing, sorting, cancelling, delivery, etc.	1	390	S.S.-L.A.	E	120.00	39	67
440.6	Our Productive Industry (color) Mass production is the key to our modern industry; use of water, steam and electric power in mass production.	1	351	Soc. St.	J-A-V	100.00**	29	66
440.61	Our Productive Land (color) Important crops such as wheat, cotton, corn and dairy and beef products; soil conservation needed to insure productivity of the land.	1	373	Soc. St.	E-J-A-V	100.00**	29	66
440.8	Our Senses—What They Do For Us Do For Us	1	400	Sci.	(6-7 Unit)	60.00	24.1	64
440.81	Our Senses—What They Do For Us (color) Covers the five senses—sight, hearing, taste, touch, smell. Several experiments are shown to explain the functioning of our sense organs. Hygiene of these sense organs is discussed.	1	400	Sci.	(71-1a)	110.00	24.1	64
441.1	Our Soil Resources Soil Resources	1	394	Bio. Gen. Sci.	J-A-V	60.00	39	65
441.3	Our Texas Heritage Important events of Texas History from early 1500's to early 1900's. Missions, battles for freedom and independence, forts, ranching, oil.	1½	600	CLC Soc. St.	6-9	150.00**	27.2	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
441.5	Our Weather _____ Review of the various factors of weather and their significance in weather prediction and importance to man; clouds, rain, snow, wind, temperature, pressure, and the instruments for the measurement thereof; the work of the weather bureau.	1	381	Sci.	E	60.00	39	66
441.6	Our World (color) _____ A group of upper elementary children construct a huge globe of the earth. Starting with a wooden and wire netting framework, the children use paper maché and plaster to build this globe upon which they trace latitude and longitude lines, continents, trade routes and many other items.	2	646	Sci.	E-J	190.00	57.8	63
441.7	Our World of Science _____	1	380	Sci.	E	60.00	39	67
441.71	Our World of Science (color) _____ An introduction to the scientific methods shows how children should go about finding information about a simple problem.	1	392	Sci.	E	120.00	39	67
442	Overture _____ Set to Beethoven's "Egmont Overture", the film shows effective glimpses of the many people whose well-being is the concern of the United Nations.	1	400	Soc. St. Music	J-A-V	45.00	24.04	65
442.5	Owl and the Pussy Cat, The _____	1	300	LA	E	30.00	85	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
442.51	Owl and the Pussy Cat, The (color) _____ Introduction to the story of "The Owl and the Pussy Cat" in musical form.	1	300	LA	E	60.00	85	63
443	Oxidation-Reduction _____ Definition of oxidation- reduction, examples of, emphasis on electron transfer, oxidation level, external electron transfer, electrolysis, activity of metals, acids as oxidizing agents.	1½	577	Sci	A-V	150.00	86.3	66
444	Oxy-Acetylene Welding Light Metal _____	1¾	754	Welding	V	44.78	71	67
444.4	Oxygen _____	1	400	Chem.	V	50.00	24.1	64
444.5	Oxygen (color) _____	1	400	Chem.	V	110.00	24.1	64
444.7	Oyster Man _____	2	648	Soc. St.	E-J-A-V	80.00	64	63
445.2	Pacific 231 _____	1	362	Music	A-V	50.00	62.5	63
445.3	Pacific Island _____ Orientation of viewer to geography of Pacific Is- lands and story of geo- logic formations. Details of island life, fishing, Navigation, boatbuilding, housekeeping, basket weaving, education, copra production, religion, turtle hunting, trading and government processes are illustrated.	2	700	Soc. St.	E-J-A-V	110.00	58	63
446.1	Painting a Portrait (color) A demonstration of water color technique applied to portrait painting.	1	381	Art	J-A-V	120.00	39	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
446.4	Painting Clouds (color) The film opens with a montage of beautiful cloud formations which suggests the continuous changing of color and patterns in the sky. Eliot O'Hara paints a number of scenes of clouds.	1½	618	Art	A-V	180.00	39	66
446.45	Painting Crowds of People (color) Demonstration with comments.	1	400	Art	E-J-A-V	120.00	39	67
446.5	Painting Trees with Elliott O'Hara (color) An excellent demonstration of the use of water colors. Using a variety of trees throughout the United States, the painter demonstrates the use of simple color, paint mixing and a variety of textures with brushes and other tools.	1½	580	Art	A	180.00	39	65
446.8	Painting with Calligraphy (color) Of interest to students of water color, with good use made of the possibilities of the medium.	1	410	Art	J-A-V	120.00	39	63
447.1	Pakistan The economic and geographical aspects of the country; the hand labor economy and the uses to which the country's resources are put.	1¼	488	Soc. St.	J	75.00	- 39	66
447.11	Pakistan (color) The economic and geographical aspects of the country; the hand labor economy and the uses to which the country's resources are put.	1¼	488	Soc. St.	J	150.00	39	66
447.14	Pakistan Its Land and People The economic and geographical aspects of the country; the hand labor economy and the uses to which the country's resources are put.	1¼	612	Soc. St.	J-A-V	90.00	62.5	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
447.141	Pakistan Its Land and People (color) Beginning with a brief history of Pakistan, this film covers its geography agriculture, transportation, village life, industry and products.	1½	612	Soc. St	J-A-V	180.00	62.5	67
447.21	Panama—Crossroads of the Western World	1	400	Soc. St.	E-J	50.00	24.1	65
447.22	Panama—Crossroads of the Western World (color)	1	400	Soc. St.	E-J	120.00	24.1	65
447.23	Panama	1	380	Soc. St.	E-J	36.00	39	63
447.24	Panama (color)	1	380	Soc. St.	E-J	103.20	39	63
447.25	Panama Canal	1½	560	Soc. St.	5-12	75.00	39	67
447.251	Panama Canal (color) By following a pilot, step by step, as he guides the WORLD BEAUTY, one of the largest oil tankers afloat, through the canal, we see the mighty locks in action, we pass through the twisting, narrow cuts, until at last the passage from sea to sea has been completed.	1½	560	Soc. St.	5-12	150.00	39	67
447.27	Panama Canal, The	1	400	Soc. St.	6	60.00	24.1	64
447.28	Panama Canal, The (color) History of the Panama Canal; people responsible for its successful completion. The Canal in actual operation.	1	400	Soc. St.	6	110.00	24.1	64
447.4	Pancho	1	214	Lang. Art	E	45.00**	91.95	66
447.41	Pancho (color) Iconographic film based on book of same title telling how Pancho the potter's son catches the wild bull with the crooked tail and wins the prizes.	1	214	Lang. Art	E	90.00**	91.95	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
448	Paper	1	399	Soc. St.	E-J-A-V	60.00	39	67
✓ 448.51	Paper Sculpture (color)	½	196	Art	E-J-A-V	65.00	57.8	67
448.55	Parade of Life No. 100 (color) The film shows some of the things that animals and plants adapt to in order to survive.	1	400	Sci.-S.S	J-A-V	100.00	73.02	66
448.6	Parallel Lines	1	400	Math.	J-A-V	60.00	59	66
448.61	Parallel Lines (color) Presents the concept of parallelism and gives many instances of the application of the laws parallel lines. Designed to encourage the study of Geometry in Academic and Vocational High Schools.	1	400	Math.	J-A-V	110.00	59	66
448.7	Parasite and the Mosquito Life history of Anophele mosquito. Detail of cycle within mosquito and man shown. Methods of control treated.	1½	455	Sci.	A-V	50.00	85	63
448.72	Paris: The City and The People	1	400	Soc. St.	E-J-A	60.00	24.1	66
448.721	Paris: The City and The People (color) Dialogue between visiting American and Parisian provides framework for visual tour of city. We see how culture, industrial progress, economic growth have affected Paris.	1	400	Soc. St.	E-J-A	110.00	24.1	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
448.75	Parsons Library, The This film reviews one of the most unusual collections of books, documents and manuscripts ever assembled under one roof. Pages from Gutenberg bible, first editions of Cellini and Da Vinci included here.	1	180	Lang. Art	A	25.00	72.3	65
448.77	Particles of Matter (color) Concerned with essential theories and understandings related to mass and energy. Structure, properties, and behavior of atoms are illustrated.	1-1/3	486	Sci	5-9	135.00	89	67
448.81	Parties Are Fun	1	400	Gd.—T.Tr.	E	60.00	24.1	65
448.82	Parties Are Fun (color)	1	400	Tch. Tr., Par. Gr.	E	120.00	24.1	65
448.9	Partnerships Among Plants & Animals	1	400	Sci.	5-6	60.00	24.1	65
448.91	Partnerships Among Plants & Animals (color) Introduces the concept of interdependence in living things by showing different types of plant and animal partnerships.	1	400	Sci.	5-6	120.00	24.1	65
448.93	Parts of Nine This film develops the meaning of the number 9 in social and abstract situations showing 9 in serial relation to 8, 9 as three groups of 3 each, and addition and subtraction facts involved in 9.	1	396	Math	3	60.00	62.5	66
448.94	Part Of Things Develops the meaning of one-half and one-fourth of single things as an early introduction to fractions, using animation and live action.	1	396	Math	4	60.00	62.5	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
448.95	Pascal's Law _____ Simple experiments to demonstrate Pascal's law.	1	420	Sci.	J-A	55.00**	62.5	63
448.98	Passe Partout Framing _____	1	360	TT		50.00	57.3	67
448.99	Passe Partout Framing (color) _____ Framing pictures and specimens by the passe partout method.	1	360	TT		100.00	57.3	67
449.01	Passenger Train (2nd Ed.)	1	393	Soc. St.	E-J	60.00	39	66
449.02	Passenger Train (2nd Ed.) (color) _____ A boy travels on a mid-western train by himself. Important facts about travel on trains are shown, e.g., terminals, diesel engines, sleeping, observation and dining facilities.	1	393	Soc. St.	E-J	120.00	39	66
449.1	Pasteur, Louis _____ The life of Pasteur and his contributions to the world of science. His experiments with fermentation, spontaneous generation, silkworm disease, antiseptis, anthrax, chicken cholera and rabies are shown. Vaccination is described.	2½	925	G. Sci. Bio.	A-V	125.00	85	65
449.2	Pathways To Reading (Set of 5) _____ 5 films in a series providing motivation for developmental reading; theme and reasons for reading; importance of comprehension, emphasizing words, ideas, details, how to evaluate, study aids.	5	2330	Lang. Art	E-J-A-V	395.00	20.3	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
449.3	Patterns In Mathematics ... Illustrates the nature of the new approach to mathematics in high school curriculum; which treats mathematics not as a bagful of tricks from which the student selects correct formula, but as a series of interlacing patterns.	1½	504	Math. Tch. Tr		90.00	62.5	65
449.5	Patty Garman, Little Helper	1	400	L. Arts, Guid.	E	90.00	48	64
449.6	Patty Learns to Stop, Look, and Listen	1½	600	Soc. St. Safety	E	130.00	48	64
449.8	Paul Bunyan and the Blue Ox	½	200	Lang. Arts	E	30.00	24.1	63
449.81	Paul Bunyan and the Blue Ox (color)	½	200	Lang. Arts	E	55.00	24.1	63
449.85	Peace Loving Switzerland (color)	1½	600	Soc. St.	6-9	130.00	48	64
	An overview of Switzerland, her contributions to world peace, the scenic beauties, the cities and the industries.							
449.87	Peaceful Assembly and Free Speech	2	792	Soc. St.	A	125.00	62.5	67
	This film records the divergence of views between a group of Indianapolis citizens trying to form a local chapter of the American Civil Liberties Union & the local American Legion chapter.							
449.9	Peaceful Ones	1	450	Soc. St.	E	110.00	1.6	64
✓ 449.95	Peggy at the Farm (color)	1½	538	Soc. St.	E	150.00	57.8	63
	Peggy learns all about life on the farm by spending a day with her cousin.							

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
450	Pen Point Percussion (Part B & W and color) First part in black and white; second part in color. The film deals with sound vibration.	1	360	Art	A-V	70.00	57.8	66
450.2	Pendulum, The The principles of the pendulum are depicted with simple experiments to be performed for each of the principles shown.	1	420	Sci.-Physics	J-A-V	55.00**	62.5	63
451	People by The Billions Film examines the implications for the future of a greatly accelerated birth rate and a declining death rate.	3	1080	Soc. St.	A	135.00	62.5	67
452.1	People of a City Shows life in Stockholm.	1½	639	Soc. St.	E-J-A-V	90.00	39	63
452.2	People of Greece The people of Greece struggle for existence because of the handicaps of nature — poor soil, and few natural resources. The location of Greece; life of people on the islands, their homes, their occupations; rural life, growing of grapes, olives, currants, and tobacco, spinning and weaving; city life, trading, manufacturing and commerce are considered.	1½	494	Soc. St.	E-J	75.00	39	66
452.21	People of Greece (color)..... The people of Greece struggle for existence because of the handicaps of nature — poor soil, and few natural resources. The location of Greece; life of people on the islands, their homes, their occupations; rural life, growing of grapes, olives, currants, and tobacco, spinning and weaving; city life, trading, manufacturing and commerce are considered.	1½	494	Soc. St.	E-J	150.00	39	66
453.2	People of the Netherlands Reviews the history and cultural growth of the Dutch people. It shows how they have battled the sea to create land to support the Dutch people.	1½	591	Soc. St.	E-J-A-V	90.00	39	63
453.21	People of the Netherlands (color) Reviews the history and cultural growth of the Dutch people. It shows how they have battled the sea to create land to support the Dutch people.	1½	591	Soc. St.	E-J-A-V	180.00	39	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
453.8	People of Spain	1½	586	Soc. St.	E-J	90.00	39	66
453.81	People of Spain (color) A history of the cultures which have influenced Spain; products of the various sections such as wool, olives, wine, cork; life in various sections of Spain.	1½	586	Soc. St.	E-J	180.00	39	66
453.9	People of the Reindeer The voice of the Spring West Wind leads Nils to dream of the old life of the Lapps as they drove their reindeer herds up the mountains.	1½	646	Soc. St. Lang. Arts	E-J	90.00	39	56
453.95	People of Venice	1½	608	Soc. St.	6-12	75.00	21.4	64
453.96	People of Venice (color) An Italian family, its problems and pleasures, seen against the magnificent background of Venices' past wealth and glory.	1½	608	Soc. St.	6-12	150.00	21.4	64
455	People of the Western Shore	1	400	Soc. St.	E-J	90.00	21.4	67
455.1	People of the Western Shore (color) This pictures gives an overview of the industries of the Western States that are linked by U.S. No. 101.	1	400	Soc. St.	E-J	165.00	21.4	67
455.5	Peoples Charter	2	800	Soc. St.	J	65.00	24.04	64
	Story of the events leading up to the establishment of the United Nations Charter. Needs for such a charter highlighted by scenes of war horrors, repatriation problems and reconstruction requirement of devastated countries.							

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
456.1	Peoples of the Soviet Union Scenes of typical life in industry, on farms, and in cities throughout the Soviet Union. Coverage of economic, political, religious, social and other phases of life.	4	1200	Soc. St.	J-A-V	175.00	58	63
456.15	Pepita's Surprise (color)..... Birthday celebration of a thirteen year old girl in Patzcuaro, Mexico.	1½	583	Soc. St.	E	160.00	57.8	63
456.2	Peppy and Puppy	1	400	Lang. Arts	E	60.00	24.1	63
456.21	Peppy the Puppy (color).....	1	400	Lang. Arts	E	110.00	24.1	63
456.5	Percentage	1	400	Math.	J	60.00	59	65
456.51	Percentage (color)	1	400	Math.	J	110.00	59	65
	Emphasizes the relationship between common fractions and percentage. Illustrates how to change common and decimal fractions to percent. Gives step by step solution to problems of types I and II.							
457.1	Percussion Group 2nd, edition	1	387	Music	E-J-A-V	60.00	39	67
457.11	Percussion Group 2nd, edition (color)	1	387	Music	E-J-A-V	120.00	39	67
	A brief description of instruments in percussion choir with example.							
457.9	Perfect Tribute, The	2	760	Soc. St.	E-J-A	120.00***	39	66
	Unforgettable dramatization of Mary Shipman Andrews story of Lincoln's trip to Gettysburg and his disappointment at the poor reception given his speech.							
458	Perfect Tribute, The	2	800	Soc. St.	E-J-A-V	60.00***	87	64
458.12	Periodic Motion	3	1188	Sci.	Ad., Pl. Cl, CLC	150.00**	62.85	67
	From a number of periodic motions simple harmonic motion is selected detailed examination.							

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
458.15	Personal Financial Planning	1	427	Bus.	J	60.00	86.3	66
458.151	Personal Financial Planning (color) John and Judy learn that a sound financial plan is a part of successful money management in attaining long range as well as immediate goals.	1	427	Bus.	J	120.00	86.3	66
458.5	Personal Health For Girls	1	400	Health Ed.	J-A	60.00	24.1	63
458.51	Personal Health For Girls (color)	1	400	Health Ed.	J-A-V	110.00	24.1	63
458.6	Personal Hygiene For Boys	1	400	Health Ed.	J-A-V	60.00	24.1	63
458.61	Personal Hygiene For Boys (color)	1	400	Health Ed.	J-A	110.00	24.1	63
458.7	Personal Qualities For Job Success	1	400	Guid.	A-V	60.00	24.1	63
458.71	Personal Qualities For Job Success (color)	1	400	Guid.	A-V	110.00	24.1	63
458.8	Personality and Emotions... This is a discussion of the physiological and biological changes that occur in human beings, and the effect which they produce on the emotions and personality.	1½	492	Guid.	A-V	75.00	39	66
458.9	Perspective Drawing An introductory film which, by use of the cube as a basic form, describes individually the one-point, two-point and three-point perspective technique.	¾	262	Art	J-A-V	50.00	89.3	65
459.15	Peru Presentation of rural Indian life in Peru. Shows primitive method of living — hand plows, homes, weaving on hand looms, grinding corn, costumes.	1	398	Soc. St.	E	90.00	39	66
459.4	Peru: People of the Andes	1½	576	Soc. St.	6-9	90.00	39	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
459.41	Peru: People of the Andes (color) Introduces Indian families living in an ancient village and those in the modern capital city of Lima. Reviews Peru's recent economic progress and wealth.	1½	576	Soc. St.	6-9	180.00	39	65
459.6	Peruvian Plateau (color) Photographic evidence that the plateau and its climate served as barriers to progress for centuries is presented in this film.	1	360	Soc. St.	J-A	120.00	57.8	66
459.8	La Petite Ferme (color) Daily life on a farm in France from dawn to dinner time. Shows family activities, going to school, farm chores of children, meal time, etc.	1	350	French	J-A-Ad	200.00	21.37	67
461.3	Philippines: Economic Progress Analysis of primitive industry in Philippines and how technical assistance program of U.N. is working there both as an aid to Philippines and how they aid other countries.	1	360	W.H.-Geo.	J-A-V	32.50	24.04	64
461.35	Philippines: Land and People.....	1¼	491	Soc. St.	6-12	75.00	39	66
461.351	Philippines: Land and People (color) Introduces cultures and origins of people; traces history of the islands; considers economic and social problems of the newly independent nation.	1¼	491	Soc. St.	6-12	150.00	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
461.4	Philippines: Social Progress Gives overview of some of the functions and achievements of UNESCO, World Health Organization, UNICEF and other agencies of the U.N.	1	360	Soc. St.	J-A-V	32.50	24.04	64
461.5	Philippines, The: Gateway to the East	1	400	Soc. St.	E-J	60.00	24.1	63
461.51	Philippines, The: Gateway to the East (color) Overview of the 7000 islands that comprise the Philippines — their geography, people, occupations, social and economic growth.	1	400	Soc. St.	E-J	110.00	24.1	63
461.9	Photographic Slides for Instruction	1	390	TT		50.00	57.3	67
461.91	Photographic Slides for Instruction (color) Methods of taking 35mm. transparencies and the new polaroid-land transparencies. Exposure calculations focusing and other technical details included.	1	390	TT		100.00	57.3	67
462.1	Photons Photomultiplier and oscilloscope used to demonstrate that light shows particle behavior; photomultiplier explained, amplification demonstrated, "noises" reduced: reasoning required to understand final outcome carefully explained and discussed.	2½	900	Sci. Physics	A	150.00**	62.85	66
462.27	Physics and Fire Engines (color) The "six simple machines", basic in physics, are discovered by a fifth grade class on a field trip to the local fire station.	1	400	Sci.	4-6	95.00	76.8	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
462.3	Picture of Britain	2	820	Soc. St.	A-V	102.00	39	63
✓ 462.5	Picture Making At The Gang Age (color)	$\frac{1}{2}$	216	Art	E	65 60.00	57.8	63
463.5	Pig Tales	1	400	Lang. Arts	E	90.00	48	64
463.7	Pilgrims, The	2	785	Soc. St.	J	120.00	39	66
	The story of the Pilgrims from their persecution in England, life in Holland, through the first year of the settlement at Plymouth. Emphasis is on the Mayflower Compact and the need for complete religious freedom and tolerance.							
463.72	Pilgrims In America	1 $\frac{1}{4}$	504	Soc. St.	E-J	75.00	62.5	67
463.721	Pilgrims In America (color)	1 $\frac{1}{4}$	504	Soc. St.	E-J	140.00	62.5	67
	Is the story of the crisis encountered in the village culminating in their first formal Thanksgiving.							
463.73	Pilgrims Travel Part I.....	1 $\frac{1}{4}$	504	Soc. St.	E-J	75.00	62.5	67
463.731	Pilgrims Travel Part I (color)	1 $\frac{1}{4}$	504	Soc. St.	E-J	140.00	62.5	67
	Takes the Pilgrims from their exile through the events that led them to found the first settlement in New England.							
463.75	Pin Mold	1	382	Sci.	J-A-V	60 55.00	57.8	63
	Structure, growth and reproduction of a simple mold. Time lapse photography used.							
463.85	Pioneer Boy of The Midwest	1 $\frac{1}{4}$	500	Soc. St.	E-J	75.00	24.1	66
463.86	Pioneer Boy of The Midwest (color)	1 $\frac{1}{4}$	500	Soc. St.	E-J	137.50	24.1	66
	Family life of a pioneer family in the Midwest is shown; their work, play, studies and recreation time.							

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
463.87	Pioneer Community of the Midwest	1½	500	Soc. St.	E-J	75.00	24.1	66
463.88	Pioneer Community of the Midwest (color)	1½	500	Soc. St.	E-J	137.50	24.1	66
	Life in pioneer days in the Midwest. Customs, recreation, education are shown. Work of the blacksmith, shoemaker, doctor and preacher are depicted.							
463.9	Pioneer of Flight	2	800	E. Sci.	E	60.00***	87	67
	An account of the origin, development and trial of the first heavier than air glider by John J. Montgomery who first flew in 1883.							
463.93	Pioneer Home	1	400	Soc. St.	E-J	60.00	24.1	65
463.94	Pioneer Home (color)	1	400	Soc. St.	E-J	120.00	24.1	65
463.96	Pioneer Journey Across The Appalachians	1½	500	Soc. St.	E-J	75.00	24.1	67
463.97	Pioneer Journey Across The Appalachians (color)	1½	500	Soc. St.	E-J	137.50	24.1	67
	Westward migration beginning about 1771.							
463.98	Pioneer Journey to the Oregon Country	1½	500	Soc. St.	E-J	75.00	24.1	66
463.981	Pioneer Journey to the Oregon Country (color)	1½	500	Soc. St.	E-J	137.50	24.1	66
	Ten year old Noah Atkins makes pioneer journey to Oregon with family. He tells us what life was like; we meet other members of wagon train.							
463.99	Pioneer Spinning & Weaving	1	356	Soc. St.	E-J	50.00	57.3	67
463.991	Pioneer Spinning & Weaving (color)	1	356	Soc. St.	E-J	100.00	57.3	67
	Demonstrates the processes involved in the home manufacture of linen, wool, and linsey-woolsey cloth from raw materials produced on the farm of American Pioneers. Filmed at Coopers-town, N.Y.							

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
464	Pioneers of The Plains.....	1	389	Soc. St.	E	60.00	39	65
464.3	Pipes in The House	1	400	Science	E	60.00	21.4	66
464.31	Pipes in The House (color) Shows the source of water, gas and electricity, and how these utilities get to our home. A family camping and providing its own water, heat and light helps us to appreciate these conveniences.	1	400	Science	E	110.00	21.4	66
464.4	Pitch Pipe, The Teacher learns to blow key, or do, from signature, then go to beginning note of song.	1½	500	Music	T.T.	60.00	59	66
464.42	Place To Live, A A documentary account of the problem of the aged. Dramatizes the tensions and difficulties which arise when an aged parent comes to live with a young couple.	3	1080	Adult		150.00	30	65
	Planet Earth							
464.51	Challenge of the Oceans.....	2½	972	Sci.	J-A	80.00	62.5	66
464.511	Challenge of the Oceans (color Physical aspects of the ocean are examined, variety of currents in the ocean, relationship of dynamics of the oceans to weather and climate and composition of ocean waters.	2½	972	Sci.	J-A	150.00	62.5	66
	Planet Earth							
464.512	The Flaming Sky	2½	972	Sci.	J-A	30.00	62.5	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
464.513	The Flaming Sky (color The nature of the aurora — the mysterious northern and southern lights is explored. It examines present scientific thinking on what the aurora is, what causes it and its relationship to other events in man's physical environment.	2½	972	Sci.	J-A	150.00	62.5	66
	Planet Earth							
464.514	The Force of Gravity	2½	972	Sci.	J-A	80.00	62.5	66
464.515	The Force of Gravity (color) The nature of gravitation is examined from early times to the present. Newtonian and Einsteinian theories are explained and contrasted; gravitational problem of space age are introduced.	2½	972	Sci.	J-A	150.00	62.5	66
	Planet Earth							
464.516	The Hidden Earth	2½	972	Sci.	J-A	80.00	62.5	66
464.517	The Hidden Earth (color) The structure of the solid earth is analyzed from the crust through the mantle, to the central core. Application of seismology to the study of other planets is introduced.	2½	972	Sci.	J-A	150.00	62.5	66
464.518	The Inconstant Air	2½	972	Sci.	J-A	80.00	62.5	66
464.519	The Inconstant Air (color) Circulation of the atmosphere is portrayed as well as the role of energy from the sun. How meteorological data are collected and how weather forecasts are arrived and are discussed.	2½	972	Sci.	J-A	150.00	62.5	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
	Planet Earth							
464.520	Magnetic Force	2½	972	Sci.	J-A	80.00	62.5	66
464.521	Magnetic Force (color) The nature of the earth's magnetic field is explained. The film shows how the magnetic field controls the path of cosmic ray particles and controls other charged particles that make up the aurora.	2½	972	Sci.	J-A	150.00	62.5	66
	Planet Earth							
464.522	Our Nearest Star	2½	972	Sci.	J-A	80.00	62.5	66
464.523	Our Nearest Star (color) The properties of the sun, the relationship of solar activity to the earth are explained. The effect of particles and radiations from the sun on man's environment is analyzed.	2½	972	Sci.	J-A	150.00	62.5	66
	Planet Earth							
464.524	Radio Waves	2½	972	Sci.	J-A	80.00	62.5	66
464.525	Radio Waves (color) Both man-made and natural radio waves are discussed. The influence of the ionosphere on radio waves is explained. The new science of radio astronomy is described.	2½	972	Sci.	J-A	150.00	62.5	66
	Planet Earth							
464.526	Research By Rockets	2½	972	Sci.	J-A	80.00	62.5	66
464.527	Research By Rockets (color) The exploration of the upper atmosphere by instruments carried aloft by rockets is explained. Man's attempts to reach out into the higher atmosphere is portrayed.	2½	972	Sci.	J-A	150.00	62.5	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
	Planet Earth							
464.528	Secrets of the Ice	2½	972	Sci.	J-A	80.00	62.5	66
464.529	Secrets of the Ice (color) The role of snow and ice on man's physical environment is explained. Mt. glaciers and ice fields of Greenland, Antarctica are explored. The relationship between glaciology, oceanography and weather is explained.	2½	972	Sci.	J-A	150.00	62.5	66
	Planet Earth							
464.530	Science In Space	2½	972	Sci.	J-A	80.00	62.5	66
464.531	Science In Space (color) Scientific exploration of space and its contents and placing of satellites in orbit are explained. Significant discoveries of modern space science are shown, including Van Allen radiation belts.	2½	972	Sci.	J-A	150.00	62.5	66
	Planet Earth							
464.532	The Shape of the Earth.....	2½	972	Sci.	J-A	80.00	62.5	66
464.533	The Shape of the Earth (color) The study of the size, shape of the earth is presented from ancient times to present concepts derived from data obtained from orbiting satellites. Determination of position and distances on the earth by astronomical means are examined.	2½	972	Sci.	J-A	150.00	62.5	66
✓ 464.6	Planets (color) Discusses the relative size and structure of the nine planets in their orbits. Explains the construction of the Zeiss planetarium and demonstrates its usefulness in understanding celestial bodies.	1	395	Sci.	5-6	120.00	57.8	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
464.65	Planets Around Our Sun.....1-1/3 This film affords a comprehensive view of our neighbors in space by means of the most modern astronomical instruments.		486	Sci.	5-9	135.00	89	67
464.685	Planets In Orbit: Laws of Kepler 1 Explains ancient beliefs regarding movements of planets; shows Kepler's work and explains Kepler's laws.	1	372	Sci. II, 2	7	60.00	39	66
464.69	Planning & Laying Out Work 1	1	374	Guid.	M	26.06	71	67
464.7	Planning For Success 1	1	400	Guidance, Hlth. Ed.	J-A-V	60.00	24.1	67
464.71	Planning For Success (color) 1	1	400	Guidance, Hlth. Ed.	J-A-V	110.00	24.1	67
464.75	Planning Our Foreign Policy 2 How our foreign policy is formulated, the agencies and people who shape and handle it. A committee of experts on the Middle East plans, discusses and prepares for political proposals and recommendations.	2	780	Soc. St.	A	120.00	39	55
464.8	Planning Your Career 1 1/2 Basic steps in planning a career — learning about yourself; learning about vocations of interest to you; skills, abilities and characteristics needed.	1 1/2	562	Guid.- Par. Ed.	J-A-V	90.00	39	65
465	Plant Growth 1	1	386	Biology	J	60.00	39	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
465.01	Plant Growth and Mutation A good introduction to the study of germinal changes, showing cells undergoing normal mitotic division and chromosomal changes as a result of the effect of colchicine.	1	400	Sci.	H.S.	60.00	72.5	67
465.05	Plant Life at Work _____	1	395	Sci.	E	50.00	62.9	67
465.06	Plant Life at Work (color) Takes up the movements of plants, particularly the opening and closing of the flowers and the growth of seeds and seedlings; the structure of the leaf; and the movement of water through the tree.	1	395	Sci.	E	100.00	62.9	67
✓ 465.1	Plant Oddities (color) _____ A series of pictures of unusual plants — the Venus Fly Trap, the Mimosa and the primrose shown in time lapse photography, going through the catching of insects and reacting to outside stimuli such as heat, light, moisture, etc.	1	372	Science	J-A-V	130.00	57.8	66
465.2	Plant Survival _____	1	396	Botany	A-V	55.00	89	67
465.3	Plant Traps (2nd Ed.) _____	1	390	Biology	A	60.00	39	65
465.31	Plant Traps (2nd Ed.) (color) _____ This film depicts the actions of the venus fly trap, the pitcher plant and the sundew in their carnivorous attack on insects.	1	390	Biology	A	120.00	39	65
465.4	Plants Make Food _____	1	400	Science	E	60.00	21.4	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
465.41	Plants Make Food (color)	1	400	Science	E	110.00	21.4	66
	A few children observe the food aspects of plants making foods; the functioning of roots, stems and leaves; the transforming of water, minerals and carbon dioxide into starch or sugar using chlorophyll and sunlight. The importance of plants (green) as the ultimate form of food is shown.							
465.43	Plants That Grow From Leaves, Stems, and Roots	1	400	Sci.	5-6	60.00	24.1	66
465.431	Plants That Grow From Leaves, Stems, and Roots (color)	1	400	Sci.	5-6	110.00	24.1	66
	Examples illustrate that certain seed-bearing plants can also be grown from leaves, stems and roots. Makes use of time-lapse photography and animation.							
465.45	Plantation South, The	1½	600	Soc. St.	J-A	90.00	39	66
465.451	Plantation South, The (color)	1½	600	Soc. St.	J-A	180.00	39	66
	Explains the plantation system and conditions that made it dominant in the South; shows conditions determining southern attitudes.							
465.51	Plantation System In Southern Life	1	400	Soc. St.	E	60.00	24.1	66
465.52	Plantation System In Southern Life (color)	1	400	Soc. St.	E	110.00	24.1	66
466	Planter of Colonial Virginia, A	1	392	Soc. St.	E	60.00	39	64
470.5	Playground Safety	1	400	Health Ed.	E	60.00	24.1	63
470.6	Playground Safety (color) ..	1	400	Health Ed.	E	110.00	24.1	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
470.8	Playing Good Music: The String Quartet _____ Playing stringed instruments; bowing, stopping, vibrato, pizzicato. How melody, harmony and interpretation produce music.	1½	497	Music	E-J-A	75.00	39	66
472.1	Plot To Save a Boy _____ The story of a woman who sets out to rehabilitate a slum boy who has killed her son in a street fight	3	1000	Par. T.T.	Par. Ed.	135.00	20.5	63
473	Plymouth Colony: The First Year _____	1½	600	Soc. St.	E-J-A	90.00	24.1	67
473.1	Plymouth Colony: The First Year (color) _____ Scenes filmed at reconstructed Plymouth Plantation at Plymouth, Massachusetts and on board the Mayflower II give authentic quality to this re-enactment of events at Plymouth Colony.	1½	600	Soc. St.	E-J-A	165.00	24.1	67
474.7	Poe, Edgar Allan-Background for His Works _____	1½	500	Lang. Art	A-V	75.00	24.1	64
474.71	Poe, Edgar Allan-Background for His Works (color) _____ The life of Poe, his emotional problems and the possible reasons for his greatness.	1½	500	Lang. Art	A-V	137.50	24.1	64
475	Poems are Fun _____	1	400	Lang. Arts	E	60.00	24.1	63
475.1	Poems are Fun (color) _____ Shows how children may enjoy poetry.	1	400	Lang. Arts	E	110.00	24.1	63
475.2	Poison In The House _____ Puppets are used to tell the story of keeping children away from poison.	1	400	H. Ed. Safety	E-J-A-V	65.00	1.3	67
475.25	Poland: The Land and The People _____	1½	500	Soc. St.	E-J-A	75.00	24.1	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
475.251	Poland: The Land and The People (color) _____ Film presents geographical and historical view of Poland and her people; discusses her place in the world today as a nation under Communism.	1½	500	Soc. St.	E-J-A	137.50	24.1	67
475.3	Poland: Land Under Communism _____	2	790	Soc. St.	J-A	120.00	39	66
475.31	Poland: Land Under Communism (color) _____ Documents the lives of a people suspended between East and West; examines the forces shaping Poland's economy.	2	790	Soc. St.	J-A	240.00	39	66
475.5	Pole Vault _____	¾	300	Health Ed.	A-V	37.50	24.1	63
475.6	Pole Vault _____	1	388	Health Ed.	A-V	45.00	89	63
476	Policeman, The (2nd Ed.)	1	393	Soc. St.	E	60.00	39	65
476.1	Policeman, The (2nd Ed.) (color) _____ Life and duties of a policeman, assigned to usual requirements of a police officer — with special bearing on school relationships.	1	393	Soc. St.	E	120.00	39	65
476.15	Policeman Walt Learns His Job _____	1	375	Soc. St. Lang. Arts	E	60.00	43	65
476.16	Policeman Walt Learns His Job (color) _____ Policeman's training begins the day the Chief swears him in as a policeman. He studies his lessons in class, learns how to protect himself and others, is taught what a detective does to solve crimes, etc.	1	375	Soc. St. Lang. Arts	E	110.00	43	65
476.5	Political Parties _____	1	400	Soc. St.	J-A-V	50.00	24.1	63
476.6	Political Parties (color) _____	1	400	Soc. St.	J-A-V	100.00	24.1	63
476.65	Polly, The Parrot _____	1	400	Lang. Arts	E	60.00	24.1	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
476.66	Polly. The Parrot (color) Polly, the Parrot is the story about a parrot that is a real pet in the home. We learn about its habits and activities.	1	400	Lang. Arts	E	110.00	24.1	67
✓ 477	Pond, The (color) _____ Examines the environment of a pond a community of living things all basically related to a light - mineral - water requirement. Extreme close-up photography facilitates, studies above and below the surface of the water.	2	720	Sci.	CLC J-A	205.00	57.8	67
477.1	Pond Life _____	1	382	Science	E	60.00	39	66
477.25	Pony, The _____ Two children earn the money to buy a pony. Their parents are won over when they see how well the children care for it.	2½	1044	L.A.-S.S Sci.	E-J	140.00	62.5	67
477.3	Pony Express _____	1	358	Soc. St.	E	55.25	5	64
477.31	Pony Express (color) _____	1	358	Soc. St.	E	100.25	5	64
477.32	Pony Express In America's Growth _____	1	400	Soc. St.	E-J	60.00	24.1	66
477.321	Pony Express In America's Growth (color) _____ Film portrays dramatic story of Pony Express, from inauguration to completion of telegraph across West. Costumed re-enactments of rides.	1	400	Soc. St.	E-J	110.00	24.1	66
477.4	Population Explosion, The A close and sobering look at the grave consequences of the obnormally high current rate of the growth of the world's population.	6	1964	Soc. St.	A CLC	250.00	20.5	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
477.5	Population Patterns In The United States	1	400	Soc. St.	J-A	60.00	24.1	67
477.51	Population Patterns In The United States (color) Tracing growth and movement of population since our country's early history, film delineates today's dynamic and changing patterns as shown in the 1960 census.	1	400	Soc. St.	J-A	110.00	24.1	67
477.62	Portrait Of The Sun	1½	700	Sci. Unit II	7	100.40	1.11	66
477.621	Portrait Of The Sun (color) Explains characteristics of Sun and its relation to life on Earth. Time lapse photography and animations visualize concepts of Day and Night, the Seasons, Sun spots, eclipse, solar prominences.	1½	700	Sci. Unit II	7	190.40	1.11	66
477.7	Ports of Industrial Scandinavia	2	758	Soc. St.	E-J-A-V	110.00	89	65
477.8	Portugal, Village of Nazare (color) The daily life in a typical fishing village. We see the fishermen, the fleets, the preparation for the day's activities, what the people on shore do during the day and the return of the boats with the catch.	1½	600	Soc. St.	E-J	130.00	48	66
477.9	Poster Making : Design and Technique (color) Poster layout, lettering, tracing, cutting, transfer, stenciling, and painting are manually demonstrated. Correct techniques in the use of chisel-edge, stencil and small brushes is shown.	1	400	Art	J-A-V-AD	100.00	3	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
477.91	Poster Making: Printing By Silk Screen (color)..... A step-by-step presentation of the process involved in silk screen printing. Every detail, from the design to the final three-color poster is carefully demonstrated.	2	550	Art	J-A-V-Ad	150.00	3	66
478	Posture and Exercise	1	400	Health Ed.	J-A-V	60.00	39	65
478.4	Posture Habits	1	400	Health Ed.	E-J	60.00	24.1	64
478.5	Posture Habits (color)	1	400	Health Ed.	E-J	110.00	24.1	64
478.55	Posture Pals (color)	1	370	Health	E-J	95.00	76.8	66
	Good posture practices as they relate to over-all good looks and health.							
478.6	Potatoes	1	405	Soc. St.	5-9	55.00**	72.15	64
478.61	Potatoes (color)	1	405	Soc. St.	5-9	100.00**	72.15	64
	Designed to inform city-bred pupils on familiar foods; shows mechanized planting, cultivation, harvesting, shipment & familiar displays in vegetable markets.							
481	Poultry On The Farm (2nd Edition)	1	396	Sci.	K-6	60.00	39	66
481.1	Poultry On The Farm (2nd Edition) (color)	1	396	Sci.	K-6	120.00	39	66
	Traces development of a chicken from egg to maturity; shows how other poultry is taken care of.							
482.4	Powers of Congress	1	400	Soc. St.	E-J	50.00	24.1	64
482.5	Powers of Congress (color)	1	400	Soc. St.	E-J	100.00	24.1	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
482.55	Practice Makes Perfect The film tells the story of how "Practice Makes Perfect" showing teacher and students in a typical class teaching situation. Fundamental drills are demonstrated by seven USVBA All American volleyball players in regular speed and slow motion.	1	381	T.T.	J-A-V	45.00	1.118	67
482.6	Practicing Democracy In the Classroom	2	753	T.T., Guid.		120.00	39	64
483.1	Prairie, The (color)	1½	604	Soc. St.	E	150.30	5	64
✓ 484	Praying Mantis, The	1¼	490	Sci.	4-6	65.00	57.8	67
✓ 484.1	Praying Mantis, The (color)	1¼	490	Sci.	4-6	130.00	57.8	67
	Illustrates how this most unique insect obtains his food and protects himself from other insects and hazards. Describes his life cycle and the important role he plays in the balance of nature.							
485	Precambrian Shield	3	905	Soc. St.	E-J	80.00**	64	63
	Survey of several Canadian communities situated in the Precambrian Shield. Visits to each community shows how the people live and earn their livelihoods.							
487	Precision Gage Blocks	1¼	655	Mach. Shop	V	40.69	71	67
489.2	Preface to Chemistry	1½	595	Sci. Guid.	J-A-V	90.00	39	66
489.21	Preface to Chemistry (color)	1½	595	Sci. Guid.	J-A-V	180.00	39	66
	The film surveys the science of chemistry in a historical method and shows many of the applications and the importance of chemistry to modern life.							

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
489.3	Prehistoric Animals of the Tar Pits.....	1½	503	Sci.	A	62.50	43	63
489.31	Prehistoric Animals of the Tar Pits (color) Shows the origin of La-Brea Tarpits and how the fossils were formed. It shows the reconstruction of the fossils and the actual fossils.	1½	503	Sci.	A	125.00	43	63
489.4	Prehistoric Man In Northern Europe Traces the development of man from the New Stone Age through the Ages of Bronze and Iron to the end of the prehistoric ages.	1½	500	Soc. St.	H.S.	75.00	39	67
489.5	Preparing A Class Report	1	360	Guid.	J	65.00	62.5	66
489.51	Preparing A Class Report (color) Present the techniques and procedures of preparing a class report.	1	360	Guid.	J	130.00	62.5	66
489.55	Preparing Your Book Report	1	400	Lang. Art.	E-J-A-V	60.00	24.1	66
489.551	Preparing Your Book Report (color) Film illustrates development and presentation of written and oral book reports. By outlining and practicing Jim gives report which arouses interest of class.	1	400	Lang. Art.	E-J-A-V	110.00	24.1	66
489.61	Preserving Foods	1	400	Home Eco.	E-J-A-V	60.00	24.1	63
489.62	Preserving Foods (color) Reasons for food preservation and techniques for properly preserving foods.	1	400	Home Eco.	E-J-A-V	110.00	24.1	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
489.75	President's Power Contested, A _____ Our steel mills were on strike during the Korean War & Pres. Truman ordered the Government to take possession of them. The issue is about the powers of the President and its limits.	3	1008	Soc. St.	A	170.00	62.5	66
489.77	Press Mold Method _____ This film demonstrates the use of press molds for making of medallions and plaques in low relief with glazes or oil or water color added. Very useful for ceramics classes.	1	400	Art	J-A-V	50.00	1.8	66
489.8	Pressure Groups _____ Analysis of good and evil features of pressure groups. State Senator interviewed by reporters describes the pressure groups to which he and other legislators are subjected. He describes in detail the work of pressure groups during the passage of a slum clearance law.	2	794	SS-Govt.	J-A-V	120.00	39	65
489.82	Pressure Of Light _____ Discussion of the Crookes radiometer and the effect—not light pressure—that causes it to rotate. The role of light pressure in the universe is also discussed. J. R. Zacharias, MIT.	2	780	Phys.	A	120.00**	62.85	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
489.84	Price of Fire, The Filmed on the scene of a number of fires and during a typical routine day of a fire station, it is a hard-hitting film which should arouse the public to the need for vigilance.	1	920	Health Soc. St.	E-J-A V-Ad	100.00	24.04	67
489.85	Prickly The Porcupine	1	400	L.A.-S.S. Sci.	E	60.00	24.1	67
489.86	Prickly The Porcupine (color) Depicts the physical characteristics of a porcupine as well as some of its habits.	1	400	L.A.-S.S. Sci.	E	110.00	24.1	67
489.88	Pride and Prejudice An excerpt from the production of Jane Austen's classic of 18th century manners. An excellent demonstration of character development in fiction and drama.	4	1500	Lang. Art.	A-V	240.00***	39	66
489.9	Pride—The Saddle Horse (formerly horse)	1	391	Nature	E	60.00	39	66
490	Primary Cell	1	391	Physics, Gen. Sci.	J-A-V	60.00	39	65
490.11	Primary Safety In The School Building	1	400	Safety	E	60.00	24.1	66
490.12	In The School Building (color) Bill points out safe practices in school such as carrying scissors, etc., carrying chairs, walking in the corridor, walking on stairs, etc.	1	400	Safety	E	110.00	24.1	66
490.13	On The School Playground	1	400	Safety	E	60.00	24.1	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
490.14	On The School Playground (color) Pete knows how to go to school safely. He plays safely —, follows safe practices using playground apparatus and equipment — watches out for others as well as himself.	1	400	Safety	E	110.00	24.1	66
490.4	Prince and The Pauper Dramatization of story by Mark Twain.	10	4000	Lang. Art	J	225.00	88.97	64
490.7	Princess In The Tower The story of a newcomer in town and how she turns from a lonely outsider into one of the group.	2	800	Guid.	E	135.00	24.04	63
493	Principles of Home Canning Canning	1	392	H. Eco.	J-A-V	60.00	39	66
494.7	Print With A Brayer (color) An art film showing many possibilities of making creative prints with a gelatin brayer. Simple basic techniques are demonstrated.	1	300	Art	E-J-A-V	75.00	3	66
494.8	Printing-Platen Press Makeready Process of makeready from locking-up the form to running the print job. Parts of press are identified and all steps of making the press ready are shown.	1½	550	Ind. Arts	J-A-V	100.00	57.8	66
495.01	Printing The Positive Printing Through The Ages	1½	672	Photo.	J-A-V	37.76	71	67
495.2	Printing Through The Ages Ages	1½	480	Gr. Arts, Ind. Arts	J-A-V	75.00	39	66
496.22	Problems of City Driving..... Problems of City Driving.....	1	400	Dr. Ed.	J-A-V	50.00	74.05	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
496.3	Problems of Flight Explains and illustrates major principles of flight maneuvers; demonstrates manipulation of controls while taking off, climbing, banking, stalling, spinning, diving, gliding, and landing.	1	376	Sci., Physics	J-A-V	60.00	39	66
496.32	Problems of Peace In Europe	2	718	Soc. St.	J-A-V	40.24	71	67
496.321	Problems of Peace In The Americas	2	726	Soc. St.	J-A-V	40.24	71	67
496.35	Problems of The Middle East	2	750	Soc. St.	J-A-V	120.00	1.37	64
496.36	Problems of The Middle East (color) Presents four basic problems; minorities versus Arab unity, agriculture and backwardness, industry and westernization, education and the future.	2	750	Soc. St.	J-A-V	200.00	1.37	64
496.4	Procrastinator, The	1	441	Guidance	J-A	50.00	62.5	63
497.3	Productivity—Key to Plenty	2	747	Soc. St.	A-V	120.00	39	65
497.32	Profiles of Elementary Physical Education	3	1200	Tr. T.	J	180.00	24.1	64
497.321	Profiles of Elementary Physical Education (color) Shows the various teaching methods used in the schools to teach Health Education to children from K to 9.	3	1200	Tr. T.	J	330.00	24.1	64
497.325	Projecting Motion Pictures Assuming that the student already knows his equipment, this film stresses the relationship between the audience and the elements of projection (Seating, screen, loud-speaker, etc.)	1	335	Tch. Tr	A-V	50.00	89.3	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
497.327	Promoting Pupil Adjustment _____ In this film a basic approach to the solution of common problems of pupil adjustment to school life and learning is portrayed.	2	720	T.T.		120.00	62.5	67
497.33	Propaganda Techniques _____	1	400	Soc. St.	J-A-V	60.00	24.1	64
497.34	Propaganda Techniques (color) _____	1	400	Soc. St.	J-A-V	110.00	24.1	64
497.36	Properties of Gases _____ The nature of gases and how they may be used in some experiments.	1	420	Sci.	J-A-V	55.00**	62.5	63
497.38	Properties of Liquids _____ Shows the properties of liquids through many stunts and tricks.	1	420	Sci.	J-A-V	55.00**	62.5	63
498	Prophet Without Honor _____	1	400	Soc. St. Sci.	J-A-V	30.00***	87	64
498.5	Proportion At Work (color) _____ Familiarizes young mathematicians with ratio and proportion to show how their proper application can save time and paper-work. The problem used is that of finding how many trout in the lake from a sample.	1	430	Math.	J-A-V	130.00	57.8	66
499	Protozoa _____	1	384	Sci.	J-A-V	60.00	39	63
499.1	Protozoa (color) _____ Presents various protozoa—life functions and activities.	1	384	Sci.	J-A-V	120.00	39	63
499.5	Prove It With A Magnifying Glass _____	1	385	Sci.	2-4	60.00	43	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
499.51	Prove It With A Magnifying Glass (color) Introduction to the scientific method. Film was made for the young child. Uses a child's first science experience with a simple instrument (the magnifying glass) to illustrate the concept: Prove It Yourself.	1	385	Sci.	2-4	110.00	43	65
✓ 499.7	P'tt Jean S'En Va Aux Chantiers A tale of the superhuman exploits of P'tit Jean, hero of a French Canadian Folk tale. P'tit Jean's feats at a Quebec Lumbercamp dwarf those of the hardest lumberjack.	2	560	French	A	175.00	57.8	67
499.8	Public Opinion in Our Democracy	1	400	Soc. St.	J	60.00	24.1	66
499.9	Public Speaking: Movement & Gesture	1	400	Speech	J-A-V	60.00	24.1	65
499.91	Public Speaking: Movement & Gesture (color) The importance of bodily actions as a means of communicating ideas is demonstrated through the basic principles governing the use of posture movement and gesture.	1	400	Speech	J-A-V	120.00	24.1	65
500	Public's Business Can a person in public office legitimately use his position for private gain? A member of a high school refreshment committee sells the other members the idea of having his boss provide the food.	½	216	Guid.	A-V	45.00	62.5	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
500.25	-Pueblo Arts and Crafts (color) The film presents the art and crafts of the Pueblo Indians. It demonstrates the making of bead work, silver craft and pottery.	1	420	Arts & Crafts	E	110.00	1.14	66
500.3	Pueblo Indian Life	1½	500	Soc. St.	E-J	60.00	1.14	66
500.31	Pueblo Indian Life (color) This film depicts life among the Pueblo Indian of New Mexico. A map is shown indicating where these pueblos are located. We are shown the life and work of these people.	1½	500	Soc. St.	E-J	135.00	1.14	66
500.32	Pueblo Indian Pottery (color) A simple and very clear demonstration of the various steps of making Indian pottery.	1½	510	Art-SS	E-J	135.00	1.14	66
500.4	Pueblo Mexicano de Caldereros (color) (Spanish edition of Mexican village Coppermakers) The film shows the small village of Mijas in central Mexico, where each family has a backyard foundry where they continue the art of coppermaking that was started long before the coming of Spanish missions.	1	345	Span.	A-Ad	100.00	3	67
500.42	Pueblo Mexicano de Pescadores (color) (Spanish edition of Mexican Fishing Village.) On the island of Janitzio, in Lake Patzcuaro, the people live in the same primitive fashion as they have for generations, depending solely on fish for their livelihood.	1	303	Span.	A-Ad	100.00	3	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
500.5	Puerto Rico _____ Operation Bootstrap, change from an agricultural to an industrial economy. Homes, festivals, the people at work and play.	1½	600	Soc. St.	E-J-A-V	150.00**	27.2	64
500.6	Puerto Rico—Island In The Sun _____ Presents economical and social development under democracy. The contemplative commentary is evenly paced to be fully grasped, explaining "operation Bootstrap" on the farm, in industry and in the city.	2	720	Soc. St.	E-J-A-V	195.00	89	67
500.7	Pulp and Paper From Canada _____ The pulp and paper industry, shown from forest to finished paper.	2	782	Soc. St.	6-9	90.00	64	65
501.15	Puritan Family of Early New England _____	1	400	Soc. St.	E	60.00	24.1	66
501.16	Puritan Family of Early New England (color) _____ Family participation in many chores and activities; digging clams, spinning wool, making soap and candles, hunting, studying.	1	400	Soc. St.	E	110.00	24.1	66
✓ 501.2	Putting Animals in Groups (color) _____ Classification of animals by structure. Includes characteristics of following groups: mammals, birds, reptiles, amphibians, fish and insects.	2	500	Science	E-J	140.00	57.8	66
✓ 501.205	Putting It Straight (color) _____ On the straightening of children's teeth. The importance of early attention.	1½	504	Health Parents	E-J-A-V	165.00	57.8	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
501.21	Pythagorean Theorem: Proof by Area Animation visually demonstrates principles of geometric movement and transformation. Teachers should point out that the generalization developed applies to similar figures only.	½	200	Math.	A-V	30.00	24.1	66
501.211	Pythagorean Theorem: The Cosine Formula Film shows how Pythagorean Theorem may be applied to acute angled triangles, and how this leads to the cosine formula.	½	200	Math	A-V	30.00	24.1	66
501.215	Quacks and Nostrums Designed to show the ways in which medical quacks dupe the consumer, and the steps taken by local and federal agencies to protect the public.	1½	684	Health	E-J-A-V	120.00	62.5	64
501.25	Quelle Chance Street and cafe scenes in a typical French town.	1	384	French	J-A	60.00	57.8	63
501.27	Quicker Than You Think..... The story of the evolution of primitive counting systems into the creation of modern electronic calculator, based on the binary system. Emphasizes that although it works at the speed of light, man must still plan its work. Marionette technique used.	3	1100	Math	J-A	150.00	1.3	67
501.3	Rabbi on Wheels The true story of Rabbi Henry Cohen's efforts on behalf of men of all faiths and how he saved an immigrant from deportation by an appeal to President Taft.	3	1000	Guid.	5-12	135.00	20.5	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
501.35	Rabbit That Runs on Snowshoes, The Shows the way of life and the problems of living of snowshoe hares. Shows how hares change their coats, what they do when winter comes, the foods they eat, and their enemies.	1	395	Sci.	2-6	100.00	56.3	64
501.4	Raccoon's Picnic, The	½	200	Lang. Art	E	30.00	39	65
501.41	Raccoon's Picnic, The (color) Two young raccoons go walking, they meet a frog, they find the lunch left on the lake shore by two boys; enjoy the milk, sandwiches and candy until boys return and chase them.	½	198	LA-Nat.	E	60.00	39	65
501.6	Radioactivity	1½	550	Sci.	H.S.	75.00	62.5	67
501.61	Radioactivity (color) This film describes the characteristics of alpha, beta and gamma radiation and the instruments & methods by which they may be detected.	1½	550	Sci.	H.S.	150.00	62.5	67
✓ 502.3	Rain (color) Explains the origin and composition of rain and clouds and points out the interrelationship between rain and healthy plant life.	1	360	Sci.	Gr. 3-6	120.00	57.8	67
504.2	Reading Maps	1	383	Soc. St.	J	60.00	39	66
504.21	Reading Maps (color) This film depicts the method of making a map and the ways such a map would be used.	1	383	Soc. St.	J	120.00	39	66
504.31	Ready to Type	1	400	Type.	J-A-V	50.00	24.1	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
504.32	Ready to Type (color)	1	400	Type.	J-A-V	120.00	24.1	65
504.5	Real West, The Pt I&II..... A fascinating and original story about the kinds of adventures and pioneers that went west to make their fortunes.	2	1944	Am. Hist.	A	250.00	62.5	67
505	Reaming With Taper Hand Reamers	1½	550	Mach. Shop	V	35.74	71	67
506	Reaming With Straight Hand Reamers	2	725	Mach. Shop	V	44.29	71	67
507	Rebel, The (Rabbi Seixes) The British called him enemy. His dramatic stand for freedom from tyranny gave strength and courage to the colonies.	3	1141	Soc. St.	E-J-A Ad	100.00	7.2	67
508.39	Red Carpet, The	1	323	Lang. Arts	E	50.00**	91.95	63
	The red carpet unrolls itself all through town, from the hotel to the dock, to welcome the Duke.							
508.51	Red Hen, The (color)	1	379	Lang. Arts	E	100.25	5	64
509	Reflection	1	468	Sci.	(J- Unit (92.4	55.00	62.5	64
	Simple experiments demonstrate that the angle of incidence equals the angle of reflection. Also depicts how light is reflected from plane and curved surfaces.							
509.35	Refraction	1	420	Sci.	J-A-V	55.00**	62.5	63
	Principle of refraction demonstrated.							
509.37	Refrigeration	1	420	Sci.	J-A-V	55.00**	62.5	63
	The principle of evaporation is simply shown and then applied to a refrigerator.							
509.376	Relays	1	388	Health Ed.	A-V	55.00	89	64
509.38	Rembrandt, Painter of Man	1½	700	Art	J-A-V	105.00	24.1	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
509.39	Rembrandt, Painter of Man (color) Camera analyses of over sixty selected canvases chronicle Rembrandt's use of light and shadow and his genius in expressing human compassion for his subjects.	1¾	700	Art	J-A-V	192.50	24.1	64
✓ 509.4	Rembrandt: Poet of Light A biography of Rembrandt is narrated during the showing of paintings, drawings and etchings by the artist.	1¾	479	Art	J-A-V	85.00	57.8	65
509.42	Rembrandt—Self Portrait (color) A powerful film describing the life and works of Rembrandt. Some of Rembrandt's little known paintings and etchings are shown.	2¾	958	Art	A-V	300.00	39	66
509.48	Renaissance, The	2¾	917	Soc. St.	A-V	135.00	39	63
509.49	Renaissance, The (color) Through use of music and art of the period, this film portrays the Renaissance as the "Discovery of the world and the discovery of man." It explains why this "re-birth" started in Italy.	2¾	917	Soc. St.	A-V	270.00	39	63
509.51	Renaissance	1	400	Soc. St.	J-A-V	60.00	24.1	66
509.52	Renaissance (color)	1	400	Soc. St.	J-A-V	110.00	24.1	66
509.58	Reproduction Among Mammals Reproduction of the pig is shown in a diagrammatic development. Animated drawings show relationship of embryonic growth to the parent.	1	386	Bio.	A	60.00	39	65
509.6	Reproduction in Animals	1	400	Sci.	J-A-V	60.00	24.1	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
509.61	Reproduction in Animals (color) Illustrates principles of the reproductive process, parental care, fertilization (internal and external) and development (internal and external) are illustrated.	1	400	Sci.	J-A-V	110.00	24.1	63
509.64	Reptiles	1½	497	Bio. Zoo	J-A-V	75.00	39	65
509.65	Reptiles (color) Origin of reptiles; fossil remains; examples of each order of reptiles with comment on characteristics, ecology, use, control.	1½	497	Bio.-Zoo	J-A-V	150.00	39	65
509.651	Reptiles and Their Characteristics	1	400	Sci.	4-6	60.00	24.1	65
509.652	Reptiles and Their Characteristics (color)..... Points out general physical characteristics that identify reptiles as a group and shows something of their habits.	1	400	Sci.	4-6	120.00	24.1	65
509.66	Reptiles Are Interesting	1	359	Sci.	E	60.00	43	65
509.67	Reptiles are Interesting (color) Reptiles are shown as examples of oldest of land animals with backbones. Examples of each of the five classifications are shown in their natural environment; alligators, red eared turtle, corn snake, diamond back, gila monster, chameleon and horned lizard, sea turtle.	1	370	Sci.	E	110.00	43	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
509.731	Republic of the Philippines, The A study in depth of this new nation; its people, its natural resources, agriculture, industry and its potentials for future progress and development.	1½	645	Soc. St.	J-A-V	195.00	89	66
509.74	Rescue Breathing	2	770½	Health	E-J-A-V	110.00**	1.2	65
509.741	Rescue Breathing (color)... Dramatically introduces urgent requirements for effective rescue procedure to save lives of victims of suffocation, and then demonstrates and teaches Rescue Breathing method and variations by animation, re-enactments and true-to-life dramatizations.	2	770½	Health	E-J-A-V	200.00**	1.2	65
509.75	Respect for Property	1	400	Guid.	J	60.00	24.1	63
509.76	Respect for Property (color)	1	400	Guid.	J	110.00	24.1	63
509.78	Respiration	1	560	Health	A-V	70.00	89	65
	Movements of diaphragm and thorax in breathing, function of nasal passages, trachea. Internal and external respiration, distribution of oxygen by means of circulatory system.							
509.79	Response In Motile Forms	3	1080	Sci., Adv. Tch. Tr.	C-L-C	150.00	62.5	66
509.791	Response In Motile Forms (color) Behavior of microorganisms to various stimuli. A rather complete discussion of the activity of the micro-nucleus in the conjugation of paramecium.	3	1080	Sci., Adv. Tch. Tr.	C-L-C	300.00	62.5	66
509.8	Responsibility	1½	584	Guid.	A-V	62.50	62.5	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
509.81	Rest and Health	1	400	Health Ed.	J	60.00	24.1	65
509.82	Rest and Health (color)	1	400	Health Ed.	J	120.00	24.1	65
509.9	Rest That Builds Good Health	1	400	Health Ed.	E-J	60.00	24.1	63
509.91	Rest That Builds Good Health (color)	1	400	Health Ed.	E-J	110.00	24.1	63
509.915	Revolt In Hungary	2½	972	Soc. St.	A-V	135.00	62.5	67
	The film documents the events leading up to the rebellion and reveals the savagery of the Russian Army in crushing the revolt.							
509.92	Revolution In Human Expectations, The	3	1100	Soc. St.	A	125.00	57.3	66
	Describes needs of underdeveloped areas of the world and how they often produce violence. Analyzes what is being done about demands of people in so-called backward areas and what might be done.							
509.93	Der Rhein	1½	500	German	A(Adv.)	145.00	57.8	65
	Shows the main picturesque castles seen from a boat on a Rhein trip from Koln to Mainz. Graded commentary for intermediate classes in German.							
509.931	Rhine, The: Background For Social Studies	1	400	Soc. St.	E-J	60.00	24.1	65
509.932	Rhine, The: Background For Social Studies (color)	1	400	Soc. St.	E-J	120.00	24.1	65
	Provides a realistic visual background for understanding the place of the Rhine river in the Geography & History of Western Europe, and evaluates its importance as an economic, cultural and sociological factor in today's World.							

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
509.94	Rhythm is Everywhere	1	400	Lang. Arts	E	55.00	61.8	65
509.95	Rhythm in Music	1½	500	Music	E-J-A-V	75.00	24.1	64
509.96	Rhythm in Music (color) ... During an elementary school orchestra rehearsal, the children work through a progression in rhythmic forms. Beginning with steady, even beats, rhythm is varied through the use of accent, the changing of the speed of beats, and the use of melody.	1½	500	Music	E-J-A-V	137.50	24.1	64
510.5	Rice in Today's World	1	400	Soc. St.	5-9	60.00	24.1	64
510.51	Rice in Today's World (color) Rice production, with emphasis on ways it is carried on in Asia, is presented. Contrast between handwork in its production in Asia and work with modern machinery is noted.	1	400	Soc. St.	5-9	110.00	24.1	64
511.3	Riches of The Earth	1½	605	Sci.	Gr. 8-II, 1a	90.00	64	65
511.31	Riches of The Earth (color) How underground resources took shape through geological ages, and how these riches of the earth have become the raw materials of the works of man. (animation)	1½	605	Sci.	Gr. 8-II, 1a	180.00	64	65
511.5	Riches of the Veldt (So. Africa)	2	800	Soc. St.	J-A-V	110.00	89	64
512.6	Right or Wrong	1	400	Guid.	J-A-V	60.00	24.1	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
512.61	Right or Wrong (color) —	1	400	Guid.	J-A-V	110.00	24.1	67
512.8	Rime of The Ancient Mariner —————	3	1025	Lang. Arts	A	150.00	89.3	67
	Film shows Dore's engravings as poem is narrated.							
513	Rise of A Dictator —————	3	1200	Soc. St.	J	90.00***	87	63
513.2	Rise of Nations in Europe	1½	500	Soc. St.	A-V	75.00	24.1	66
513.21	Rise of Nations in Europe (color) —————	1½	500	Soc. St.	A-V	137.50	24.1	66
	Traces the factors in the development of national states in Europe after 1100. It uses France as an illustration. Feudal beginnings, the growth and influence of the middle class and the consolidation of the monarchy are stressed.							
513.5	Rise of the Roman Empire	1½	500	Soc. St.	A-J	75.00	24.1	67
513.51	Rise of the Roman Empire (color) —————	1½	500	Soc. St.	A-J	137.50	24.1	67
	Development of Rome from a group of early tribal communities to a mighty empire which embraced a large part of the Western world is traced.							
514	River, The —————	3	1159	Soc. St.	J-A-V	60.04	71	67
514.5	Rivers (The Primary Geography Series) —————	1	395	Soc. St.	5-6	55.00	53	65
514.51	Rivers (The Primary Geography Series) (color) —————	1	395	Soc. St.	5-6	110.00	53	65
	How a river is formed. Its journey to the sea. Importance of rivers to man: source of water, food and minerals; natural trails through rough country; transportation; aid to industries; magnificent scenery created by rivers-recreation. Nature's "water-cycle" for continuance of rivers explained.							

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
515.1	Rivers of The Pacific Slope	1	400	Soc. St.	E-J	50.00	24.1	63
515.11	Rivers of The Pacific Slope (color)	1	400	Soc. St.	E-J	100.00	24.1	63
516.3	Road Runners (color) Faults of the teen age driver especially the "show off" in the car. Formation of the "Hot Rod" testing clubs which turn the attention and the excess enthusiasm of the teen age traffic violator into beneficial and interesting pursuits in "soup-ing up" car power. High-lights safety precautions.	1½	483	Dr. Ed.	A-V	125.00	1.15	65
516.4	Road to Independence Recent developments in Ghana, Nigeria, Nyasaland with stress on political developments.	2½	1000	Soc. St.	A-CLC	100.00	62.5	64
516.5	Robbers under Water	1	400	Sci.	J	50.00	1.15	66
517.1	Robin Redbreast	1	373	Sci.	E	60.00	39	63
517.11	Robin Redbreast (color) The life story of the Robin is detailed — nest building, feeding and raising of a new brood.	1	373	Sci.	E	120.00	39	63
518	Robinson Crusoe	3	1215	Lit.	A-V	150.00	24	64
519.4	Rocket, The Illustrates the progress of the rocket from a Chinese firecracker, through various 17th century inspiration for space travel, to its more practical applications of today.	2	700	Sci.	J-A-V	65.00	24.04	63
519.45	Rockets: How They Work	1½	577	Sci.	J-A-V 91.3D	90.00	39	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
519.46	Rockets: How They Work (color) Shows how a multiple stage rocket works and demonstrates the functioning of a rocket guidance system.	1½	577	Sci.	J-A-V 91.3D	180.00	39	64
519.47	Rockets: Principles and Safety 1	1	378	Sci.	6	60.00	43	65
519.48	Rockets: Principles and Safety (color) Introduces its audience to the physical principles upon which rockets work. The film explains why rocket motors can work in the absence of air. It stresses the fact that rockets are dangerous and should not be built by amateurs.	1	378	Sci.	6	110.00	43	65
519.5	Rocks 1	1	350	Sci.	E	55.00	53	63
519.55	Rocks and Gems 1	1	400	Sci. (C)	Gr. 6 IGC-J	55.00	1.8	67
519.551	Rocks and Gems (color) Graphic explanation of the basic principles of the formation of rocks and gems, where they may be found and how recognized.	1	400	Sci.	Gr. 6 IGC-J	110.00	1.8	67
519.6	Rocks and Minerals 1	1	360	E. Sci.	A	60.00	43	65
519.61	Rocks and Minerals (color) Classification of rocks: formation of basically different kinds of rocks — igneous, sedimentary and metamorphic.	1	360	E. Sci.	A	110.00	43	65
519.65	Rocks for Beginners Explains the origin and characteristics of the different classes of rocks and provides a meaningful foundation for rock identification.	1½	600	Sci.	E	165.00	59	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
519.68	Rocks in Our Neighborhood	1	468	Science	E	75.00	62.5	67
519.681	Rocks In Our Neighborhood (color) Film shows the various kinds of rocks used for building purposes because of their weathering resistant properties and ease of working and beauty.	1	468	Science	E	150.00	62.5	67
519.7	Rocky Mts.—Continental Divide	2	749	Sci., S.S.	J-A-V	110.30	5	64
519.71	Rocky Mts.—Continental Divide (color)	2	749	Sci., S.S.	J-A-V	200.30	5	64
521	Roger Williams—Founder of R.I. The film is a dynamic presentation of a strong character — a man who was willing to undergo hardships for his beliefs.	2½	1016	Soc. St.	J-A-V	150.00	39	67
521.3	Role Playing in Guidance..... Film shows how role playing is introduced and the techniques used in conducting it.	1½	480	TT	A	70.00	89.3	67
521.4	Roman Life In Ancient Pompeii	1	576	Soc. St. Art	A-V	150.00	86.3	67
521.9	Romance of Louisiana (color)	1½	800	Soc. St.	J-A-V	170.00***	87	63
	The story of the purchase of Louisiana.							
522	Romance of Radium	1	400	Chem.- Gen. Sci.	A-V	30.00***	87	64
522.1	Rome: City Eternal (color)	1	390	Soc. St.	J-A	120.00	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
522.15	Romeo and Juliet A faithful rendering of Shakespeare's great tragedy. These sequences show the feud between the two families of the classic lovers in the ball-room scene. Friar Lawrence's cell, the duel scene, the death scene and others.	4	1500	Lang. Art	A-V	240.00***	39	66
522.2	Room for Discussion Guid. Soc. St.	2½	872	Guid. Soc. St.	A-V	135.00	39	64
522.3	Roosevelt, Theodore Rare newsreel films accompany the only known record of TR's voice. A visit to Sagamore Hill for a look at mementoes of the old 'Rough Rider.'	1	250	Soc. St.	E-J-A	35.00	72.3	65
523	Roots of Plants (2nd Ed.)	1	373	Sci.	J	60.00	39	63
523.1	Roots of Plants (2nd Ed.) (color) Through the use of time lapse photography, and animated drawings, this film depicts different types of root systems, root tropisms, their growth, the work of root hairs, and osmosis in roots.	1	373	Sci.	J	120.00	39	63
523.7	Roy, Sheep Dog of the Scottish Highlands	2	646	Lang. Art	5-9	110.00	39	64
523.71	Roy, Sheep Dog of the Scottish Highlands (color) A sheep dog does his best and wins third place in a herding contest.	2	646	Lang. Art	5-9	220.00	39	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
524.01	Rubber in Today's World... Depicts the history of rubber, its origin in the Americas, transplanted to the Orient. We are taken on a tour of a rubber plantation in Malaya. Synthetic rubber is shown being worked on in the labs.	1	400	Soc. St.	E-J	60.00	24.1	63
524.1	Rumplestiltsken	1	335	Lang. Arts	E	45.00	85	65
525	Rural Nurse Depicts program by the U. N. in the training of public health nurses in Central America.	2	720	Soc. St.	E-J-A-V	65.00	24.04	64
525.5	Russia A photographic essay on Russia. We see the housing, agriculture and industry, the schools and universities, city life and rural life as they are today.	2½	873	Soc. St.	A-V	250.00**	58	64
✓ 525.6	Russia In Europe References to maps provide orientation for an objective straightforward study of European Russia. Geographical characteristics, natural forestation, agriculture and the inland waterways and chief cities are discussed.	2	660	Soc. St.	A	205.00	57.8	67
525.8	Russian Communist Revolution, The Reviews development of Communism in Russia during twentieth century. Introduces concept that Communism has two faces: one seen by advanced nations, the other seen by underprivileged people.	3	1100	Soc. St.	A	125.00	57.3	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
526	Rutherford Atom, The Dr. R. I. Hulsizer uses a cloud chamber and gold foil to carry out the historic Rutherford experiment which led to the nuclear model of the atom. Behavior of alpha particles clarified.	3½	1435	Sci.	Ad. Pl. Cl.-CLC	150.00**	62.85	67
✓ 526.2	Safe Bicycling	1¼	470	Safety	E-J-A-V	80.00**	57.8	65
✓ 526.21	Safe Bicycling (color) The care, courtesy and common sense cultivated in bike riding days, lead to proficiency and safety habits in automobile driving later on.	1¼	470	Safety	E-J-A-V	145.00**	57.8	65
526.5	Safe in Port Safe Driving	1½	600	Soc. St. Safety	E	130.00	48	64
526.51	Advanced Skills & Problems	1	400	Dr. Ed.	A-V	60.00	24.1	66
526.52	Fundamental Skills	1	400	Dr. Ed.	A-V	60.00	24.1	66
526.53	Streets and Highways	1	400	Dr. Ed.	A-V	60.00	24.1	66
526.54	Car Maintenance & Care Safe driving depends on a safe car. Safety requires proper care of the car as lubrication; care of tires, battery, radiation.	1	400	Dr. Ed.	J-A-V	60.00	24.1	66
526.55	Car Maintenance & Care (color)	1	400	Dr. Ed.	J-A-V	110.00	24.1	66
526.56	Techniques of The Skilled Driver	1	400	Dr. Ed.	A-V	60.00	24.1	66
526.57	Techniques of the Skilled Driver (color) A driver training instructor reviews the skills taught in his course. He sees how practice and effort have improved these skills. Defensive driving, courtesy and car care are emphasized.	1	400	Dr. Ed.	A-V	110.00	24.1	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
526.58	The Defensive Driver	1	400	Dr. Ed.	J-A-V	60.00	24.1	66
526.59	The Defensive Driver (color) Defensive driving skills. Crossing skills, other cars, pedestrian dangers, courtesy, signals, fatigue, etc.	1	400	Dr. Ed.	J-A-V	110.00	24.1	66
526.6	Safe Living at School	1	400	Health Ed. & Safety	E-J	60.00	24.1	64
526.7	Safe Living at School (color)	1	400	Health Ed. & Safety	E	110.00	24.1	64
526.71	Safe Living at Home	1	400	Health Ed.	E	60.00	24.1	63
526.72	Safe Living at Home (color)	1	400	Health Ed.	E	110.00	24.1	63
526.73	Safe Living in Your Community	1	400	Health Ed.	E	60.00	24.1	64
526.74	Safe Living in Your Community (color)	1	400	Health Ed.	E	110.00	24.1	64
526.745	Safe Shop, A Discusses the safety prob- lems and procedures for the school shop. How- ever, does not cover all the power tools available in a well-equipped wood- working shop. Emphasis is almost wholly on safe- ty in a woodworking shop.	1	396	Voc. Trades	V	60.00	62.5	67
526.75	Safe Use of Tools	½	200	Safety	E	25.00	24.1	64
526.76	Safe Use of Tools (color)	½	200	Safety	E	50.00	24.1	64
526.9	Safety Adventures Out Of Doors	1	391	Safety	E-J	60.00	39	65
526.91	Safety Adventures Out Of Doors (color)	1	391	Safety	E-J	120.00	39	65
	Offers examples of good safety habits in swim- ming, boating, camping and on playgrounds, and stresses important safety points with rhymed slo- gans.							

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
527.1	Safety in Winter _____	1	400	Health Ed. Safety	E	60.00	24.1	63
527.11	Safety in Winter (color) _____	1	400	Health Ed. Safety	E	110.00	24.1	63
527.12	Safety on The Way to School _____	1	400	Health Ed. Safety	E-J	60.00	24.1	63
527.13	Safety on The Way to School (color) _____	1	400	Health Ed. Safety	E-J	110.00	24.1	63
527.14	Safety With Everyday Tools _____	1	400	Safety	E-J	60.00	24.1	63
527.15	Safety With Everyday Tools (color) _____	1	400	Safety	E-J	110.00	24.1	63
527.16	Safety on The Playground	1½	561	Safety	E	75.00	39	64
527.17	Safety on The Playground (color) _____	1½	561	Safety	E	150.00	39	64
527.18	Safety on The Streets _____	1	389	Safety	E-J	60.00	39	64
527.19	Safety on The Streets (color) _____	1	389	Safety	E-J	120.00	39	64
527.5	Safety on Our School Bus	1	379	Safety	E-J	60.00	39	63
527.51	Safety on Our School Bus (color) _____ Presentation of six safety rules on school bus; keep aisles clear, stay in seat, don't put anything out of window, keep hands off emergency door, don't talk to driver, ride quietly.	1	379	Safety	E-J	120.00	39	63
527.6	Safety or Slaughter _____ Highway accidents. Explains and illustrates safe driving techniques.	1½	479	Safety	J-A-V	150.00	57.8	64
528.1	Safety In The Home (Revised) _____	1½	484	Safety Hlth. Ed.	E	75.00	39	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
528.2	Safety Through Seat Belts The film is concerned with what happens to unrestrained drivers and passengers when everyday intersection collisions occur and how the person with seat belt protection is restrained and unhurt as the result of careful safety precaution.	1	450	T.T. Dr. Ed. Safety	A-V	37.00	89.3	66
529.3	Safest Way	1½	604	Safety	E-J	21.70	1.18	63
529.37	Sailing to The Cape The methods and problems of freighters today are portrayed.	1½	628	Soc. St.	E-J-A-V	75.00	89	63
529.38	St. Denis, Ruth and Ted Shawn Three dances created by these two founders of the modern dance in America are presented.	2½	1050	Dance	J-A-V	150.00	39	64
529.39	St. Lawrence Seaway, The...	1½	591	Soc. St.	6-12	90.00	39	65
529.391	St. Lawrence Seaway, The (color) This film traces the history of the St. Lawrence Seaway, describes the construction and operation of the seaway's canals, locks and power dams. It shows how the seaway has affected world trade, transportation and economic conditions.	1½	591	Soc. St.	6-12	180.00	39	65
529.4	Salmon Story (color)	1	400	Soc. St.	J	120.00	39	67
529.45	Salmon's Struggle For Survival	2½	957	Bio.	J-A	120.00	64	64
529.46	Salmon's Struggle For Survival (color) The salmon's life cycle and the formidable barriers overcome in spawning in fresh water.	2½	957	Bio.	J-A	200.00	64	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
529.95	Sampan Family	1½	588	Soc. St.	E-J-A-V	100.00	62.5	65
530.7	Sanctuary of Seals Shows the habits and ac- tions of the Pacific Coast seals.	1	400	Sci.	E	30.00***	87	67
532	Satellites: Stepping Stones To Space	1½	580	Sci.	5-6	90.00	43	65
532.1	Satellites: Stepping Stones To Space (color) Explains what satellites are and why they are im- portant to us. We are shown the instruments satellites carry and what those instruments tell us about outer space. How satellites are placed on orbit, why they stay up, etc.	1½	580	Sci.	5-6	170.00	43	65
532.5	Save Those Teeth	1	400	Health Sc.	Ed. E-J	60.00	39	65
532.55	Saxophone	2	870	Mus.	E-J-A-V	100.00	36.9	67
532.551	Saxophone (color) The Okalahoma City Uni- versity symphonic band under the baton of James Neilson accompanies Mr. Rascher in the solo pass- ages which introduce and conclude the film. He demonstrates with the aid of students the funda- mentals of saxophone playing, good playing pos- ture, phrasing and dyna- mics, types of mouth- pieces and their effects on tone quality, attaining speed, and the import- ance of practice.	2	870	Mus.	E-J-A-V	200.00	36.9	67
532.6	Scandinavian Lands	1	400	Soc. St.	E-J-A	60.00	24.1	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
532.61	Scandinavian Lands (color)	1	400	Soc. St.	E-J-A	120.00	24.1	65
	The film shows how the geographic factors influence the industries and products of Norway, Sweden and Denmark.							
533.2	School Activities And You	1	400	Guid.	J-A-V	60.00	24.1	67
533.21	School Activities And You (color)	1	400	Guid.	J-A-V	110.00	24.1	67
533.22	School Bus And You, The	1	400	Guid.	E-J	50.00	74.05	64
533.27	School Children Around The World	2	680	Soc. St.	E-J	100.00	89	63
	Shows children at work and at play in many different areas of the world. Among these are the United States, Canada, Japan, China, North Africa, Central Europe and Norway.							
533.28	School For The Stage	3	1092	Lang.Art Dramatics	A, T.T.	130.00	64	66
	Shows training given at the Royal Academy of Dramatic Art in London, England.							
533.3	School In a Mailbox	2	737	Soc. St.	J	60.00	1.5	63
533.31	School Rules: How They Help Us	1	400	Guid.	E-J	60.00	24.1	63
533.32	School Rules How They Help Us (color)	1	400	Guid.	E-J	110.00	24.1	63
533.5	Schubert And His Music	1½	500	Music	J-A	75.00	24.1	64
533.51	Schubert And His Music (color)	1½	500	Music	J-A	137.50	24.1	64
534	Science and Agriculture	1	337	Gen. Sci. Biology	J-A	60.00	39	64
534.11	Science and Superstition	1	400	Science	E	60.00	24.1	66
534.12	Science and Superstition (color)	1	400	Science	E	110.00	24.1	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
534.13	Science Fair (color) Designed to acquaint teachers, other adults and students with many aspects of science exhibitions and fairs.	1½	500	Sci.	J-A	160.00	57.8	66
534.135	Science In The Orchestra: Exploring The Instruments Muir Mathieson, conductor of the London Symphony orchestra, shows that according to its structure, each group of orchestral instruments produces sound in a different way.	1¼	432	Mus. Sci.	E-J-A-V	70.00	62.5	67
534.136	Hearing The Orchestra Explains how sound travels, how it is produced and how ears hear sound. Vibrations are described and illustrated and the nature & reception of sound are thoroughly explained.	1	468	Mus. Sci.	E-J-A-V	75.00	62.5	67
534.137	Looking At Sounds By means of a device called the audio-spectrometer we are able to see a picture of how sound looks. It indicates the pitch, loudness and harmonics of a orchestra.	1	360	Music Sci.	E-J-A-V	65.00	62.5	67
534.14	Science Of Light	1	400	Sci.	5-6	60.00	21.4	66
534.141	Science Of Light (color) A boy raises some questions about light and sight, then proceeds to explore them by means of some thought provoking experiments.	1	400	Sci.	5-6	110.00	21.4	66
534.15	Science of Money Simplified explanation of how our money system operates.	2	800	Soc. St.	J-A-V	125.00	1.15	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
✓ 534.3	Scientific Method In Action (color) Explains and illustrates the scientific method and shows that it can be used in many fields; demonstrates its practical value in everyday life.	2	680	Sci.	J-A	210.00	57.8	66
534.5	Scotland: Background of Literature	1	400	Literature	A-V	50.00	24.1	64
535	Scraping Flat Surfaces	1½	500	Mach. Shop	V	33.26	71	67
535.05	Screen Director, The Follows a typical screen director through his work.	1	400	English	J-A-V	17.50***	87	67
535.08	Scruffy (color) The adventures of a little kitten and her woodland friends who decided to run away from home, but it was not long before they returned, sadder and much wiser.	1	232	Lang. Art	E	48.50	85	66
535.1	Sculpture	1	400	Art	J-A-V	50.00	1.15	66
535.11	Sea: Background for Literature, The	1	400	Lang. Art	J-A-V	60.00	24.1	64
535.111	Sea: Background for Literature, The (color)..... The story of a sailor at sea involving excerpts from famous sea stories.	1	400	Lang. Art	J-A-V	110.00	24.1	64
535.13	Sea Adventures of Sandy The Snail	1½	568	Sci.	E	90.00	39	63
535.14	Sea Adventures of Sandy The Snail (color) Through the medium of finger painting, the life history of the snail is developed. Included is the visualization of the starfish, puffer fish, abalone and sea horse.	1½	568	Sci.	E	180.00	39	63
535.15	Sea Shell Animals	1	372	Sci.	J	60.00	43	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
535.16	Sea Shell Animals (color) A number of shelled animals living in the sea including chiton, sea mussels, clams, limpets, abalone, cowries and octopi are shown. Univalves and bivalves are differentiated.	1	380	Sci.	J	110.00	43	66
535.2	Seashore, The Nat. Sci.	1	377	Soc. St. Nat. Sci.	E-J	55.25	5	64
535.21	Seashore, The (color) Nat. Sci.	1	377	Soc. St. Nat. Sci.	E-J	100.25	5	64
535.5	Sea Urchin Sci. Bio.	1	400	Sci. Bio.	J-A-V	55.00	89	64
535.72	Seashore Life (color) Science	1	385	Science	E	120.00	39	66
535.741	Seasonal Changes in Plants Sci.	1	396	Sci.	6th	57.50	62.5	64
535.742	Seasonal Changes in Plants (color) Perennials, annuals, and biennials are shown, compared and explained, and the relationships to winter survival are explained. Film shows changes that take place and how plants that do not die are protected in winter.	1	396	Sci.	6th	125.00	62.5	64
535.75	Seasonal Changes in Trees Sci.—Nat.	1	400	Sci.—Nat.	E	60.00	24.1	65
535.76	Seasonal Changes in Trees (color) Sci.—Nat.	1	400	Sci.—Nat.	E	120.00	24.1	65
535.8	Seasons, The Nat. St.	2	800	Nat. St.	A-V	60.00***	87	64
535.81	Seasons, The Sci.	1	380	Sci.	J-A-V	50.00	89	63
535.9	Seasons of The Year Sci.	1	400	Sci.	E	60.00	24.1	67
535.91	Seasons of The Year (color) Sci.	1	400	Sci.	E	110.00	24.1	67
536.10	Secretarial Office Practice: Secretary's Day Bus. Ed.	1	400	Bus. Ed.	J-A-V	50.00	24.1	63
536.11	Secretary's Day (color) Bus. Ed.	1	400	Bus. Ed.	J-A-V	100.00	24.1	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
536.12	Secretary Takes Dictation, The	1	400	Bus. Ed.	J-A-V	50.00	24.1	63
536.13	Secretary Takes Dictation, The (color)	1	400	Bus. Ed.	J-A-V	100.00	24.1	63
536.14	Secretary Transcribes	1	400	Bus. Ed.	J-A-V	50.00	24.1	63
536.15	Secretary Transcribes (color)	1	400	Bus. Ed.	J-A-V	100.00	24.1	63
536.2	Secretary, The A Normal Day	1	400	Secretarial Studies		60.00	24.1	66
536.21	A Normal Day (color) Depicts the sequence of activities which constitute a single day's work in the office experience of a sec- retary. Stresses fine points of personality and office manners.	1	400	Secretarial Studies		110.00	24.1	66
536.22	Taking Dictation	1	400	Secretarial Studies		60.00	24.1	66
536.23	Taking Dictation (color) Describes the ideal proce- dure of a secretary pre- paring for and taking dic- tation. It shows correct techniques for the secre- tary — preparing her ma- terials and actually tak- ing dictation.	1	400	Secretarial Studies		110.00	24.1	66
536.24	Transcribing	1	400	Secretarial Studies		60.00	24.1	66
536.25	Transcribing (color) Depicts correct techniques in transcribing both from shorthand notes and from notes recorded on a dicta- phone record.	1	400	Secretarial Studies		110.00	24.1	66
536.28	Secrets Of A Volcano Filmed scenes at eruption of Hawaii's Kilauea vol- cano. Disclosure of sig- nificant and new knowl- edge concerning the in- terior of the earth.	3	962	Sci.	A	135.00	20.5	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
536.29	Secrets of the Ant and Insect World (color) This film shows us the wonders and secrets of the ant world and their relations to other insects. Features the honeymaker ants and the gardeners who are the leaf cutters. Illustrates the digging of tunnels and the rivalry between the red and black ants.	1½		Sci.	5-6	130.00***	28	66
536.291	Secrets of the Bee World (color) Selected excerpt from the Disney Secrets of Life Feature, with emphasis on the Bees' Importance in our civilization.	1½		Sci.	5-6	130.00***	28	66
536.295	Secrets of the Plant World (color) Selected excerpt from the Disney Secrets of Life Feature with emphasis on the study of plants.	1½		Sci.	5-6	150.00***	28	66
536.3	Secrets of The Pond	1	400	Sci.	E-J-A-V	55.00	1.15	67
536.35	Secrets of the Underwater World (color) Selected excerpts from the Disney Secrets of Life feature with emphasis on various species of underwater life.	1½		Sci.	5-6	150.00***	28	66
536.5	Secure The Blessings Dramatizes the role of the public school in a democracy.	2½	1000	Guid. Par. Tr.	J-A-V	55.00	64.5	63
536.7	See Better : Healthy Eyes.....	1	400	Health Ed.	E-J	60.00	24.1	66
536.71	See Better : Healthy - Eyes (color)	1	400	Health Ed.	E-J	110.00	24.1	66
536.9	Seed Dispersal	1	392	Sci.	E-J	60.00	39	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
536.91	Seed Dispersal (color) Depicts seeds as the means of reproduction of plants and also in its role as food for man.	1	396	Sci.	E-J	120.00	39	67
537.1	Seed Dispersal	1½	725	Sci.	J	80.00	89	66
537.13	Seed Germination	1½	525	Sci.	A	90.00	39	66
537.131	Seed Germination (color) Seeds serve the plant reproduction, distribution, and as a device to survive unfavorable climatic periods. They are the most important source of food for man. This film depicts the way in which seeds germinate, and points out the usefulness of seed germination study.	1½	525	Sci.	A	180.00	39	66
537.15	Seeds Grow Into Plants	1	400	El. Sci.	E	60.00	24.1	66
537.16	Seeds Grow into Plants (color) Shows seeds on trees and bushes; demonstration of how seeds are carried; how seeds grow; what plants need to live.	1	400	El. Sci.	E	110.00	24.1	66
537.3	Self-Conscious Guy	1	400	Guid.	J-A-V	60.00	24.1	67
537.31	Self-Conscious Guy (color)	1	400	Guid.	J-A-V	110.00	24.1	67
537.4	Selling As A Career	1	400	Bus. Ed. Salesman-ship	A-V	60.00	24.1	64
537.41	Selling As A Career (color)	1	400	Bus. Ed. Salesman-ship	A-V	110.00	24.1	64
537.45	Semi-Conductors—Part I..... Basic physics and theory of hole and electron flow in semi-conductor material; P-N Junction and fundamental principles that apply to junction rectifiers. Basic transistor or triode operating characteristics showing how and why it is an amplifying device.	2	765	Sci.	A-V	100.00**	15	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
538.01	Sense Perception I (color) The wonder of the senses. How beautifully the senses of sight, hearing, taste, touch and smell are designed to make life possible on this earth. An experiment on "seeing" odors is included as well as an impressive demonstration involving inverted vision, dramatizing how we actually "see" with the brain.	2½	991	Biology	A-V	220.00	62.9	66
538.02	Sense Perception II (color) The limitation of the senses. As the known electromagnetic spectrum is scanned, the infinitesimal portion our eyes respond to shows how blind we really are. Demonstrations in "silent" sound show similar limitation in hearing. The limited sensory signals that do get through to the brain are often perceived incorrectly. The point is driven home that we cannot comprehend all of reality with our feeble senses.	2½	1000	Biology C-L-C	A	220.00	62.9	66
538.1	Sensitivity of Plants	1	400	Bio.	A-V	50.00	1.15	63
538.5	Sentences and Solution Sets The film delves more deeply into the concept of set and the usefulness of this concept in describing, explaining and teaching equations and inequalities.	2	756	Math. Tch. Tr.		140.00	62.5	65
538.7	Sentences That Ask and Tell	1	400	L.A.	E	50.00	24.1	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
538.71	Sentences That Ask and Tell (color) Film clearly demonstrates (1) that sentence is a complete thought; (2) difference between asking and telling sentences; and (3) how punctuation and capitalization is used.	1	400	L.A.	E	110.00	24.1	67
538.99	Servant of the People, The Re-enactment of confusion under the Articles of Confederation and the session of the Constitutional Convention of 1787.	2	840	Soc. St.	J-A	120.00***	39	66
539	Servant of The People	2	800	Soc. St.	E-J	60.00***	87	64
539.001	Service Station, The Explains the importance of service stations. Shows how service stations function — sale of gas-oil-lubrication, etc. Compares the servicing of a car in the early 1900's with that of today.	1	397	Soc. St.	E	110.00**	29	64
539.005	Settling the Great Plains	1	432	Soc. St.	J-A-V	75.00	62.5	64
539.006	Settling the Great Plains (color) Shows the successive adaptations by the Indians, cattlemen and homesteaders to the difficulties of the Great Plains environment. (1850-1885 period).	1	432	Soc. St.	J-A-V	150.00	62.5	64
539.008	Seven Guideposts To Good Design An analysis of good design in articles of everyday use — houses, furniture, tableware, etc.	1½	600	Art	A	150.00	24.04	65
539.01	Seven Little Ducks	1	378	Lang. Arts	E	60.00	3	66
539.02	Seven Little Ducks (color)	1	378	Lang. Arts	E	110.00	3	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
539.04	Seward's Folly (Alaska) Depicts hardships faced by pioneers. Shows mining and fishing of pre-war Alaska.	1	400	Soc. St. CLC	E-J	50.00**	72.08	64
539.05	Sewing	1	390	Home Ec.	J-A	60.00	39	65
539.06	Sewing (color) Class in a well equipped clothing activities room; the selection of pattern and fabric; checking of body measurement and construction techniques.	1	390	Home Ec.	J-A	120.00	39	65
539.10	Sewing: Advanced Seams.....	1	399	Home Eco.	J-A-V	50.00	62.5	63
539.13	Sewing: Simple Seams	1	384	Home Eco.	J-A-V	50.00	62.5	63
539.2	Sewing: Fitting A Pattern	1	414	Home Eco.	J-A-V	60.00	62.5	67
539.22	Sex Chromosomes, The With the use of slides and photos, this film shows the factors which are involved in the determination of sex through an explanation of the chromosomes make-up of normal and abnormal individuals.	3	1065	Science	A-J-Ad	125.00	57.3	67
539.23	Shaggy, The Coyote	1	400	Lang. Arts	E	60.00	24.1	63
539.24	Shaggy, The Coyote (color) Shaggy tries to find a chicken but is chased away by the farmer's watch-dog. He returns and is almost caught in a trap.	1	400	Lang. Arts	E	110.00	24.1	63
539.25	Shakespeare, William	2½	912	English Sp.-Drama	E-J-A	135.00	39	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
539.26	Shakespeare, William (color) Reconstruction of William Shakespeare's life and times; excerpts from performances of "Julius Caesar," "Othello," "King Lear," "Hamlet" and "Macbeth."	2¼	937	English Sp.-Drama	E-J-A	270.00	39	67
539.3	Shakespeare, William: Background For His Works	1¼	500	Eng.	A-V	75.00	24.1	66
539.31	Shakespeare, William: Background For His Works (color)	1¼	500	Eng.	A-V	137.50	24.1	66
539.312	Shakespeare's Theater: The Globe Playhouse Film, narrated by Ronald Colman, shows a model of the Globe Theater and explains the 7-area stage and how it seems to have been used in Shakespeare's time. Shaped wooden blocks represent the characters. They are moved in and out of the stage areas while student actors read the lines.	1¼	680	Lang. Art Drama	A	90.00	89.3	64
539.32	Sharing Work at Home	1	400	Guid.	E-J-A-V	60.00	24.1	63
539.33	Sharing Work at Home (color) Stresses the importance of cooperation to happy family life.	1	400	Guid.	E-J-A-V	110.00	24.1	63
539.4	She Also Ran The story of Miss Lockwood who ran against Blane and Cleveland. It tells the difficulties faced by women in getting into politics.	3	1000	Soc. St.	A-V	135.00	20.5	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
539.45	Sheep and Shepherds Sheep raising as carried on throughout history by shepherds with dogs. Shows lambing and shear- ing camps, grazing, feed lots, shipping, shepherds' nomadic life and duties.	1	400	Soc. St. Applied Textiles	E-J-V	110.00	20.56	66
539.5	Sheep Ranch Country (South Eastern Australia)	2	800	Soc. St.	E-J	110.00	89	64
542	Shelter (2nd Edition)	1	393	Soc. St.	E	60.00	39	67
542.1	Shelter (2nd Edition (color)	1	491	Soc. St.	E	120.00	39	67
	Homes throughout the world—the igloo, desert tents and grass houses of the Fiji islanders; mod- ern homes—the materials needed, the steps in con- struction and the occupa- tions involved.							
543	Shep the Farm Dog	1	388	Nat., L.A.	E	60.00	39	64
543.08	Short and Suite	½	180	Health Lang. Art	E-J-A-V	60.00	57.8	66
	An experimental film by Norman McLaren in which his abstract pat- terns dance and cavort to the lively music of E. Rathburn.							
543.09	Short Time Intervals	2	789	Phys.	A	120.00**	62.85	66
	A study of the extension of the senses to deal with very short time intervals. Campbell Searle, MIT.							
543.11	Shorthand Series First Lesson, The (Gregg Sh.)	2	800	Bus. Ed.	A-V	90.20	62.5	63
543.12	A Typical Lesson (Gregg Sh.)	2	800	Bus. Ed.	A-V	95.20	62.5	63
543.13	Developing Shorthand Speed	2	800	Bus. Ed.	A-V	90.20	62.5	63
543.15	Doing Homework in Gregg Shorthand Simplified	1	400	Bus. Ed.	A-V	65.20	62.5	63
544.5	Shot Put	1	400	Hlth. Ed.	J-A-V	55.00	89	64
545.5	Shy Guy	1½	500	Guid.	J-A-V	62.50	24.1	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
545.6	Shy Guy (color)	1½	500	Guid.	J-A-V	125.00	24.1	63
546.5	Shyness	2	828	T.T., Par. Ed.		125.00	62.5	64
546.6	Siam (color) A survey of life in Siam. Visits to the back country and the work of the people are shown. Life on board a house boat and life on the rivers of Siam (in Bangkok).	3	1152	Soc. St.	5-12	300.00***	28	64
546.65	Sibling Relations and Personality This film demonstrates the relationships a child has with his brothers and sisters throughout developmental years. These relationships are an important factor in personality shaping.	2	792	T.T.		135.00	62.5	67
546.651	Sibling Rivalries & Parents This film describes the reasons for this rivalry the varied manifestations of it and means of holding natural friction to a minimum. It shows that friction is a normal human trait.	1	396	T.T.		65.00	62.5	67
546.7	Signing of the Declaration of Independence "You Are There" T.V. presentation. A dramatic presentation, using modern radio and T.V. reporting techniques—showing the discussions leading to the adoption and signing of the Declaration of Independence.	2½	1000	Soc. St.	J-A-V	135.00	62.5	63
546.8	Signs Of Life Driver education, showing the meaning of traffic signs and highway markings, why and where they are placed.	1	400	Dr. Ed.	J-A-V	60.00	74.05	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
546.83	Silk Makers of Japan (color) The growing of mulberry leaves, the raising of caterpillars, the processing of the cocoons and the weaving of silk into beautiful fabrics is shown.	1½	588	Soc. St.	E-J-A	170.00	3	67
546.85	Silk Screen Textile Printing (color) The selection of a design for dress material, the transfer to the silk screen, and the printing onto the textile is demonstrated. Other uses are also shown.	1	400	Art	J-A-V	110.00	3	66
546.88	Similar Triangle in Use (color) Defines similar triangles and incorporates the proposition into the everyday experiences of High-schoolers. Presents and explains in terms of use, the transit or theodolite and the quadrant or sextant.	1	400	Math.	J-A	130.00	57.8	67
546.9	Simple Ceramics	1	400	Ind. Arts	J	50.00	1.8	66
546.91	Simple Ceramics (color)	1	400	Ind. Arts	J	100.00	1.8	66
546.92	Simple Changes In Matter	1	400	Sci.	E-J	60.00	24.1	63
546.93	Simple Changes In Matter (color)	1	400	Sci.	E-J	110.00	24.1	63
547	Simple Machines	1	389	Sci.	J-A-V	60.00	39	65
547.1	Simple Machines: Pulleys...	½	200	Physics	A	30.00	24.1	65
547.11	Simple Machines: Pulleys (color) The use of pulleys fixed and movable, to make work easier.	½	200	Physics	A	60.00	24.1	65
547.15	Simple Machines: The Inclined Plane Family.....	1	392	Sci.	3-6	60.00	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
547.151	Simple Machines: The Inclined Plane Family (color) Explains principle of inclined plane; describes other members of inclined plane family—the wedge and the screw.	1	392	Sci.	3-6	120.00	39	66
547.31	Simple Machines: Inclined Planes	½	200	Sci.	E-J	30.00	24.1	65
547.32	Simple Machines: Inclined Planes (color) Explains principle of the inclined plane; relationship of distance and force; various kinds of inclined planes.	½	200	Sci.	E-J	60.00	24.1	65
547.33	Simple Machines: Levers.....	½	200	Sci.	J-A	30.00	24.1	65
547.34	Simple Machines: Levers (color) Several examples of levers; classes of levers demonstrated; weights and distances compared; advantages.	½	200	Sci.	J-A	60.00	24.1	65
547.35	Simple Machines: Wheels and Axles	½	200	Sci.	J-A	30.00	24.1	65
547.36	Simple Machines: Wheels and Axles (color) Film explains "rolling and working" wheels; relationship of distance and force; use of gears and belts in the transmission of power.	½	200	Sci.	J-A	60.00	24.1	65
547.4	Simple Molds	1	360	Art	E-J-A-V	50.00	57.3	65
547.41	Simple Molds (color) Demonstration of slip casting, drape molds, pressed molds. All operations readily observable by students.	1	360	Art	E-J-A-V	100.00	57.3	65
547.51	Simple Plants: Algae and Fungae	1¼	500	Sci.	J-A-V	75.00	24.1	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
547.52	Simple Plants: Algae and Fungae (color) The characteristics and differences between Algae and Fungi are depicted by microphotography. Uses of these plants are explained.	1½	500	Sci.	J-A-V	137.50	24.1	63
547.53	Simple Plants: Bacteria	1½	500	Bio.	A	75.00	24.1	64
547.54	Simple Plants: Bacteria (color) Illustrates the major characteristics of bacteria, useful and harmful varieties, growing bacteria colonies, checking bacterial growth, and the use of antibiotics.	1½	500	Bio.	A	137.50	24.1	64
547.6	Simple Silverworking	1	400	Ind. Arts	J-A-V	45.00	1.8	64
547.61	Simple Silverworking (color)	1	400	Ind. Arts	J-A-V	90.00	1.8	64
548	Simple Waves Pulse propagation on ropes and slinkies shows elementary characteristics of waves such as speed in different media. Torsion bar wave machine used to repeat experiments demonstrating reflection and other phenomena.	2½	995	Phys.	A	150.00**	62.85	66
548.3	Singendes Deutschland A film in which 16 folk-songs are rendered in appropriate settings. Various facets of German life are portrayed in song and dance.	1½	559	German	J-A-V	100.00	57.8	63
548.35	Singing Pipes The skilled craft of pipe-organ building.	2	770	Music	5-9	90.00	64	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
548.4	Sir Francis Drake Tells how Drake won for England the right of way into a new continent. It shows how he captured vast treasures of gold, silver etc., for the Queen, terrorized the Spanish Navy and persuaded the people of England to look to the sea for their strength.	2½	1060	Soc. St.	J-A-V	150.00	39	63
548.5	Sit-In, The Documentary which traces the developments and significance of non-violent sit-in demonstrations as originated by Negro college students in Nashville, Tennessee.	2	1944	Soc. St.	A	250.00	62.5	67
548.61	Six, Seven and Eight Year Olds Society of Children This film illustrates the dynamics underlying children's games and group activities at these age levels, and shows how understanding, coupled with wise direction of the youngsters' curiosity and desire to acquire skills, can be used to promote learning in the classroom situation.	2½	1000	T.T.-PE Guid.		135.00	62.56	63
✓ 548.68	Sky, The (color) Explains the apparent movement of the sun, its color changes, and what causes shadows. The composition of the sky is depicted in terms of dust, water vapor, clouds, winds, air thickness and moisture.	1	395	Sci.	K-3	120.00	57.8	67
548.7	Sleep for Health	1	391	Hlth. Ed.	E	60.00	39	66
550.4	Smoki Snake Dance	1	450	Soc. St.	J	110.00	1.6	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
550.5	Snakes	1	400	Sci.	E-J-A-V	60.00	24.1	64
550.6	Snakes (color)	1	400	Sci.	E-J-A-V	110.00	24.1	64
✓ 550.63	Snakes Are Interesting	1	396	Sci.	E-J-A	130.00	57.8	66
	The film develops clear understandings of the snake as a living creature and helps build reasonable attitudes towards them.							
550.9	Snap Out of It	1½	500	Guid.	J-A-V	75.00	24.1	67
550.91	Snap Out of It (color)	1½	500	Guid.	J-A-V	137.50	24.1	67
551	Snapping Turtle	1	387	Nat. St.	E	60.00	39	64
551.1	Snowflakes	1	281	Sci.	E	35.00	62.9	67
551.11	Snowflakes (color)	1	281	Sci.	E	70.00	62.9	67
	Depicts the uses of snow-recreational, for irrigation, etc.							
551.3	Soapy The Germfighter (color)	1	400	Health Ed.	E	100.00	76.8	65
	Billy Martin, an active youngster, meets a partner, one "Soapy the Germ Fighter" who helps him understand that being clean is not "sissy" but is related to good health.							
551.4	Soccer For Girls	1	400	Health Ed.	J-A-V	50.00	24.1	63
551.5	Soccer For Girls (color)	1	400	Health Ed.	J-A-V	100.00	24.1	63
551.53	Sociable Six To Noisy Nine	2	792	T.T.- Par. Ed.		145.00	62.5	65
	The Arden children—6 year old Betty, 8 year old Peter and 9 year old Sandy, together with their neighbor, 9 year old Jane Bates, illustrates typical kinds of behavior found in these age groups. The parents show how they cope with the difficulties which inevitably arise and how they help their youngsters in their personal relationships, and in other growth areas.							

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
551.55	Social Acceptability Shows that the adolescent needs guidance from the adult in the home and school in developing those social skills on which his social acceptability and his social adjustment depend.	1¾	702	Guid.	J-A-V	120.00	62.5	63
551.57	Social Courtesy	1	400	Guid.	J	60.00	24.1	66
551.571	Social Courtesy (color)	1	400	Guid.	J	110.00	24.1	66
551.6	Social Dancing	1	400	Health Ed.	J-A-V	50.00	24.1	63
551.61	Social Dancing (color)	1	400	Health Ed.	J-A-V	100.00	24.1	63
551.7	Social Insects-The Honeybee	2¾	900	Bio., Sci.	A-CLC	135.00	39	66
551.71	Social Insects-The Honeybee (color) There are two contrasting types of social organization. One, our own, is based on learning. The other, represented by the bees, ants, wasps, and termites, is based on <i>instinct</i> . This film shows an example of a society in which the individuals are directed in their activities by inherited instincts.	2¾	900	Bio., Sci.	A-CLC	270.00	39	66
551.72	Social Revolution Social changes during the past two hundred years. Contrasts constructive or peaceful methods of change with destructive by inherited instincts.	2	729	W. His.	A	120.00	39	65
551.74	Social Welfare Seminar and Mexican Electrification ... The work of the United Nations in promoting public works throughout the world to improve backward sections of member nations. Consultant and financial assistance to such areas as Mexico and Egypt in rural electrification and agriculture improvement.	1	400	Soc. St.	J	32.50	24.04	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
551.761	Softball Fundamentals This film demonstrates the techniques of batting, throwing, pitching, running bases, and fielding.	1	432	H. Ed.	J	60.00	62.5	67
551.77	Softball Fundamentals for Elementary Schools Methods of throwing-catching and batting a softball are demonstrated, Use of slow motion photography. Safety is stressed.	1	400	Health Ed.	E	60.00	3	64
551.78	Softball for Boys	1	400	Health Ed.	E	50.00	24.1	66
551.79	Softball for Boys (color)	1	400	Health Ed.	E	100.00	24.1	66
551.8	Softball for Girls	1	400	Health Ed.	J-A-V	50.00	24.1	64
551.9	Softball for Girls (color) ..	1	400	Health Ed.	J-A-V	100.00	24.1	64
551.94	Soil and Life This film suggest ways in which the farmer "man-ages" his soil to obtain better harvests to provide food for all the world.	1-1/3	486	Sci.	5-6	135.00	89	67
552	Solar Family	1	388	Science	J	60.00	39	64
552.1	Solar System	1	400	Science	E-J	60.00	24.1	67
552.11	Solar System (color)	1	400	Science	E-J	110.00	24.1	67
552.12	Solids In The World Around Us	1½	670	Math.	J	75.30	27.3	66
552.121	Solids In The World Around Us (color) Animation and live action are used to develop basic formulas and show importance of solids in every day situations.	1½	670	Math.	J	150.30	27.3	66
552.13	Something To Chew On	2	695	Health Ed.	E-J	90.00	64	65
552.14	Something To Chew On (color) A study of dental hygiene as it relates to general health and well-being.	2	695	Health Ed.	E-J	180.00	64	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
552.15	Something to Write About Three students discuss recent personal experiences, and their conversation is used to motivate their writing of their English themes.	1	252	Lang. Art	J-A	50.00	62.5	64
553	Somewhere in India Depicts the work of the UN in eradicating malaria in a village in India.	1½	575	Soc. St.	J-A-V	65.00	24.04	64
556.2	Songs of Stephen Foster..... Songs of Stephen Foster sung by a group of men and women in southern costumes in a home situation — piano and banjo. O Susanna, I Dream of Jeannie, Beautiful Dreamer, Old Folks at Home, Camptown Races.	1	400	Music	J-A-V	30.00***	87	67
556.9	Sound Presentation of the origin of sound, how it travels and how it is received by the living organism.	1	420	Sci.	J	55.00**	62.5	63
556.95	Sound For Beginners	1	400	Sci.	3-4	60.00	24.1	66
556.96	Sound For Beginners (color) Slow-motion photography and demonstrations show that all sounds are caused by vibrations. We also see that sound can move through solids and liquids.	1	400	Sci.	3-4	110.00	24.1	66
557.1	Sound Waves	1½	576	Science	A-V	90.00	89	67
557.2	Sound	1	363	Science	E	55.00	53	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
557.23	Sound Waves In Air Experiments in reflection, diffraction, interference & refraction are supplemented with ripple-tank analogies. Interference is shown in both the pattern of standing waves & in a pattern reflected from a grating. A gas filled lens is used to refract sound.	3	1080	Sci.	A	150.00**	62.85	67
557.25	Soundman, The Traces the history of sound in the movies, from the first sound film to the elaborate equipment and sound laboratories of today.	1	400	English	A	17.50***	87	67
557.3	Sounds All About Us	1	400	El. Sci.	E	60.00	24.1	65
557.31	Sounds All About Us (color) A child at home with the television set become, interested in sounds. The subject of sound-pitch, loudness, quality is developed by means of simple experiments and various musical instruments.	1	400	El. Sci.	E	120.00	24.1	65
557.5	South Africa An introduction to the continent of South America; pre-Columbian period; the great estates, the peasant and the present industrial and social revolution.	3	1005	Soc. St.	J-A-V	250.00**	58	66
557.9	Southeast Asia: Lands and People	1½	500	Soc. St.	6-12	75.00	24.1	63
557.91	Southeast Asia: Lands and People (color) Shows peoples and chief industries of Southeast Asia in their progress toward self-government and modernization. The resources of Thailand, Malaya, Burma, and Indo-china are shown.	1½	500	Soc. St.	6-12	137.50	24.1	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
✓ 559	Southern Rhodesia (color) Depicts Rhodesia as both a country of tropical and temperate climate. Describes the physical geography, agriculture, natural resources and chief exports, as well as the people and their way of living.	1¼	500	Soc. St.	E-J	145.00	57.8	67
560.01	Southwestern States	1	437	Soc. St.	E-J	60.00	39	65
560.02	Southwestern States (color) Overview of geographic and industrial features of Texas, Oklahoma, New Mexico and Arizona. Film shows plateau, mountains, canyons; important crops and mined products; shipping ports on the gulf; and imported materials.	1	437	Soc. St.	E-J	120.00	39	65
560.08	Souvenir of Sydney (color) Travelogue of city of Sydney, Australia—types of architecture, recreation in Hyde Park, recreation in ocean beaches, visiting the zoo.	1	368	Soc. St.	E-J-A-V	85.00	1.5	67
560.085	Soviet Union: An Introduction A survey of the topography, climate, traditions, and culture of the Soviet Union . . . with special stress on historical scenes contrasting pre-revolution practices with modern equivalents.	1¾	650	Soc. Sci.	E-J	175.00	53.65	66
560.09	Soviet Union, The: Land And People Picture of geography, natural resources, industrial development and educational progress of the Soviet Union.	1½	600	Soc. St.	J-A-V	90.00	24.1	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
560.1	Sow and Sow	1	400	Sci. Nat.	E-J	50.00	1.15	63
560.15	Spain—A Valencia Family (color)	1½	600	Soc. St.	6-9	130.00	48	65
	Shows the activities of a family in Valencia, Spain — how the people live, work and spend their leisure hours.							
560.23	Spain	1	380	Soc. St.	E-J	36.00	39	63
560.24	Spain (color)	1	380	Soc. St.	E-J	103.20	39	63
560.25	Spain The New World	1½	475	Soc. St.	E-J-A	75.00	39	67
560.251	Spain The New World (color)	1½	475	Soc. St.	E-J-A	150.00	39	67
	This film takes us back to a period when colonial Mexico was the brightest jewel in the Spanish crown. Traces Spain's establishment of a feudal system and her influence on Mexican culture.							
560.35	Spanish Children	1	394	Soc. St.	E	60.00	39	65
560.36	Spanish Colonial Family Of The Southwest	1½	500	Soc. St.	E-J	75.00	24.1	65
560.361	Spanish Colonial Family Of The Southwest (color).....	1½	500	Soc. St.	E-J	150.00	24.1	65
	Portrays the characteristics of Spanish Colonial life in the Old Southwest and develops an appreciation of the contributions of that culture to the growth of America.							
560.37	Spanish Community Life.....	1½	530	Soc. St.	E-J-A	85.00	3	67
560.371	Spanish Community Life (color)	1½	530	Soc. St.	E-J-A	150.00	3	67
	How a farmer and his family not far from Madrid live today. How life remains almost primitive even though the influence of cities can be seen.							
560.38	Spanish Conquest of The New World	1	400	Soc. St.	E-J	60.00	24.1	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
560.381	Spanish Conquest of the New World (color)	1	400	Soc. St.	E-J	110.00	24.1	64
560.39	Spanish Enriches The Elementary Curriculum	1½	516	Spanish	J-A	75.00	3	67
560.391	Spanish Enriches the Elementary Curriculum (color) A dramatization of a market scene, playing games and songs by a sixth grade class in Spanish.	1½	516	Spanish	J-A	140.00	3	67
560.5	Spanish Influence in the United States	1	400	Soc. St.	E-J	50.00	24.1	64
560.51	Spanish Influence in the United States (color)	1	400	Soc. St.	E-J	100.00	24.1	64
560.6	Spanish: Introducing The Language	1	368	Spanish	8-9	60.00	24.1	65
560.61	Spanish: Introducing The Language (color) Colorful scenes of the Spanish-speaking world, examples of Spanish words in our own language, and a brief dramatization using Spanish dialogue—all acquaint the viewer with the Spanish language and stimulate interest in learning it.	1	368	Spanish	8-9	120.00	24.1	65
560.71	Sparky the Colt	1	400	Lang. Arts	E	60.00	24.1	65
560.72	Sparky the Colt (color)	1	400	Lang. Arts	E	120.00	24.1	65
561.1	Speech: Platform Posture	1	360	Speech	E-J-A-V Tchr. Tr.	60.00	62.5	65
561.21	Speech: Planning Your Talk	1	465	Lang. Arts Speech	A-V	65.00	62.5	67
561.22	Speech—Conducting A Meeting	1	428	Speech	J-A-V	50.00	62.5	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
561.24	Speech Preparation Shows teacher instructing two pupils how to prepare and deliver speeches. Shows classroom procedures and charts giving steps in organizing ideas.	1½	600	Lang. Arts	J-A-V	98.00	20.3	64
561.25	Speed and Reflexes Scientific explanation of the factors involved in speed, reaction and braking time, including human and physical conditions.	1	390	Driver Ed.	A-V	50.00	74.05	64
561.31	Speed of Light Outdoors at night the speed of light in air is measured using a spark-gap, parabolic mirrors, a photocell and an oscilloscope. William Siebert, MIT	2	773	Sci.	PSSC Course	120.00**	62.85	66
561.4	Speedball for Girls (color)	1	400	Health Ed.	A-V	50.00	24.1	64
561.5	Speeding Reading Series :... 1-sound and 12 silent films (each). Designed to be used for improving speed reading for the students in upper elementary, junior high, high school and vocational high.	1	275 160	Reading Reading	J-A-V	246.00	20.3	63
562.1	Spherical Mirrors Explanation of the functioning of concave and convex mirrors. Ray diagrams are used and the animation factor clarifies the understanding of image formation.	1½	462	Sci.	A-V	55.00	89	63
562.2	Spiders (2nd Ed.)	1	392	E. Sci.	J-A	60.00	39	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
562.21	Spiders (2nd Ed.) (color) Life cycle of the spider and characteristics and habits of various spiders.	1	396	E. Sci.	J-A	120.00	39	67
562.25	Spinal Column, The The structure and functions of the spinal column are shown by means of animated drawings, x-rays and photographs. The importance of good posture is stressed.	1	405	Sci.	J-A-V	60.00	39	67
562.35	Spinning Objects This film explains the precession of spinning bodies by various interesting experiments and animated diagrams.	1	420	Sci.	J-A-V	55.00*	62.5	63
562.4	Spinning Wheel, The	1	341	Home Ec. Soc. St.	E-J-A-V	55.25	5	64
562.41	Spinning Wheel, The (color)	1	341	Home Ec. Soc. St.	E-J-A-V	100.25	5	64
563	Split The Ring	1	320	Health Ed.	J-A-V	50.00	57.3	65
563.1	Split the Ring (color) Presentation of Square Dance—"Split the Ring"—for teaching.	1	320	Health Ed.	J-A-V	100.00	57.3	65
567	Spotty the Fawn in Winter	1	400	Lang. Art	E	60.00	24.1	64
567.1	Spotty the Fawn in Winter (color) Summer has turned to autumn in the North Woods and little by little Spotty is changing and growing. When the heavy snows come, a little girl who puts out food for him helps Spotty survive his first winter.	1	400	Lang. Art	E	110.00	24.1	64
567.13	Spotty: Story of a Fawn	1	400	L.A.-Nat.	E	60.00	24.1	65
567.14	Spotty: Story of A Fawn (color)	1	400	L.A.-Nat.	E	120.00	24.1	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
568.03	Spring Brings Changes	1	400	Sci.	Gr. K-3	60.00	21.4	67
568.031	Spring Brings Changes (color) depicts the gradual change from winter to spring — plants, animals, and changes of clothing for two children.	1	400	Sci.	Gr. K-3	110.00	21.4	67
568.04	Spring Is An Adventure	1	400	L.A.-Nat.	E	60.00	24.1	65
568.05	Spring Is An Adventure (color) A child notices the evidences of Spring. Bees, crocuses, baby robin, ground hog, tadpoles and seeds.	1	400	L.A.-Nat.	E	120.00	24.1	65
568.07	Spring Is A Season	1	400	Sci.	K-4	55.00**	59.5	67
568.071	Spring Is A Season (color) Describes the wonderful time of year when everything wakes up, or is born, or starts to grow. Student is made aware of Spring's spirit of discovery and delight.	1	400	Sci.	K-4	110.00**	59.5	67
568.1	Spring on The Farm (color)	1	386	Soc. St. Sci.	E	120.00	39	64
568.13	Springboard and Front Approach Stresses importance of approach and spring. Slow motion analyzes approach, hurdle and take off.	1	400	Health	E-J-A-V	120.00	89	64
568.15	Springboard Diving	1	450	Health Ed.	A	62.00	89.3	65
568.16	Springboard Diving (color) In addition to demonstrating techniques for some common dives, this film also shows some of the common faults and exercises for body control in the air.	1	450	Health Ed.	A	135.00	89.3	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
568.2	Springboard Techniques	1	400	Health Ed.	A-V	50.00	24.1	64
568.3	Springboard Techniques (color)	1	400	Health Ed.	A-V	100.00	24.1	64
568.4	Sprints, The	2	732	Health Ed.	A-V	90.00	89	63
568.41	Spruce Bog, The	2	828	Sci. CLC	A	250.00	62.5	64
	A description of the conditions under which a spruce bog is formed, with details of the plant types found at successive stages of development from open water to mature spruce forest.							
568.42	Square, The	3	1067	T.T.	J-A Ad.	135.00	20.5	67
	An examination of the values of middle class American youth torn between the desire for security and the drive for creative self-expression.							
568.44	Squeak The Squirrel	1	400	E.C.E.	E	60.00	21.4	67
568.441	Squeak the Squirrel (color)	1	400	E.C.E.	E	110.00	21.4	67
568.451	Stagecraft: General Scenery Construction	1½	600	Lang. Art	Art	90.00	24.1	65
568.452	Stagecraft: General Scenery Construction (color)	1½	600	Lang. Art	Art	180.00	24.1	65
	Illustrates the construction of door and window flats, steps and parallels.							
568.453	Stagecraft: Scenery Frame Construction	1	400	Lang. Art	Art	60.00	24.1	65
568.454	Stagecraft: Scenery Frame Construction (color)	1	400	Lang. Art	Art	120.00	24.1	65
	Illustrates the actual construction of the frame from the selection of the proper type of lumber, through the final stages prior to painting.							
568.455	Stagecraft: Scenery Painting	¾	300	Lang. Art	Art	45.00	24.1	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
568.456	Stagecraft: Scenery Painting (color)	¾	300	Lang. Art	Art	90.00	24.1	65
	Presents the construction of a collapsible parallel, emphasizing lightness, durability and ease of storage. Indicates the problem of painting the scenery and demonstrates the materials used and the proper method of mixing and applying.							
568.457	Stagecraft: Stage Lighting	1	400	Lang. Art	Art	60.00	24.1	65
568.458	Stagecraft: Stage Lighting (color)	1	400	Lang. Art	Art	120.00	24.1	65
	The design and use of common stage lighting equipment is presented and explained. Beginning with a light plot and working from it to develop the final lighting set-up.							
568.475	Stanley Takes A Trip	1	402	Health Ed.	E	50.00	64	65
568.476	Stanley Takes A Trip (color)	1	402	Health Ed.	E	100.00	64	65
	The importance of a balanced diet, told in story form for children through the medium of two-dimensional "cut-out" animation.							
568.478	Stars and Star Systems	1½	589	Sci.	A	90.00	39	66
	Shows work of astronomer; explains use of photometer; describes our solar system.							
568.48	Stars and Stripes on Display	1	535	Soc. St.	E-J-A-V	75.00	57.3	63
568.49	Stars and Stripes on Display (color)	1	535	Soc. St.	E-J-A-V	150.00	57.3	63
	Emphasizes principles of honor, respect, and protection of flag in ceremonies, display and daily use.							

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
568.51	Stars in Stripes	1	360	Sci. Lang. Arts	E	55.20	62.5	63
568.52	Stars in Stripes (color)	1	360	Sci. Lang. Art	E	110.20	62.5	63
568.6	Statehood for Hawaii Gives the arguments pro and con Statehood for Hawaii. Shows the industries and products of the islands and the multi-racial population.	2½	1000	Soc. St.	A	115.00	62.5	64
568.65	Static Electricity	1	390	Sci.	J-A	55.00**	62.5	63
	Methods by which static electricity can be created; the molecular theory of electricity, the principle of like and unlike changes and lightning.							
568.66	Steadfast Tin Soldier (color)	1½	507	Lang. Arts	E	160.00	12	66
	The Hans Christian Anderson fairy tale is retold by puppets and human beings in color.							
568.67	Steam Age: Hist. of Transportation	1½	600	Soc. St.	E	90.00	39	64
568.68	Steam Age: Hist. of Transportation (color)..... Development of transportation in the U. S. from the Indians to coming to autos. Mans struggle to cover the vast distance on North America.	1½	600	Soc. St.	E	180.00	39	64
568.7	Steam Engine: How It Works	1	400	Sci.	J	60.00	39	67
	Shows how man learned to make steam work for him, the historical development of the steam engine, how the steam engine works and its effect on industry and transportation.							

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
568.71	Steam Locomotive	1	369	Soc. St.	E-J	55.25	5	64
568.72	Steam Locomotive (color)	1	369	Soc. St.	E-J	100.25	5	64
568.73	Stephen Foster and His Songs	1½	600	Music	5-9	90.00	24.1	66
568.731	Stephen Foster and His Songs (color) Film traces Foster's life, the highlights and disappointments, and provides us with historical background of the creation of some of his best known songs.	1½	600	Music	5-9	165.00	24.1	66
568.741	Steps of Ballet	2¼	905	Health Ed.	E-J-V	120.00	39	65
568.75	Stone Soup	1	386	Lang. Arts	E-J	60.00**	91.95	67
568.76	Stone Soup (color) The story of 'Stone Soup' by Marcia Brown.	1	386	Lang. Arts	E-J	120.00**	91.95	67
568.78	Stores in Our Community	1	400	S.S.-L.A.	E	60.00	24.1	67
568.79	Stores in Our Community (color) Family with three children visit the community stores and observe the activities there.	1	400	S.S.-L.A.	E	110.00	24.1	67
568.81	Stories of Holland: Background For Reading	1	400	Soc. St.	E-J	60.00	24.1	65
568.82	Stories of Holland: Background For Reading (color)	1	400	Soc. St.	E-J	120.00	24.1	65
568.85	Stories in The Rocks (color) Using flannel board techniques geological formations are described; illustrated with films of actual natural formations; interpretation of geologic history in terms of fossil remains, structure and folding.	1	400	Sci.	A	100.00	73.02	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
568.88	Storm Clouds Over The Colonies Portrayal of colonialism vs. anti-colonialism. Introduction to early imperialism and the problems of the colonial empires today. Covers the troubles and problems encountered in the British Commonwealth from Malaya to Kenya to the West Indies.	2½	1000	Soc. St.	A	100.00	62.5	64
568.89	Story Acting is Fun	1	400	Lang. Arts	E-J	60.00	24.1	64
568.891	Story Acting is Fun (color)	1	400	Lang. Arts	E-J	110.00	24.1	64
568.9	Story of A City — New York (color)	2	700	Soc. St.	E-J	234.00	39	63
568.91	Story of a Violin	2	786	Music	5-9	90.00	64	65
568.911	Story of a Violin (color)..... How a violin is made.	2	786	Music	5-9	180.00	64	65
568.96	Story of the Bees	2	650	Science	E-J-A-V	90.00	89	63
568.965	Story of the Bloodstream I (color)	2¼	880	Biology C-L-C	A	220.00	62.9	66
	The heart and circulatory system; valve action of a beating human heart; nature of the circulatory system; microscopic examination of capillary bed; how when a heart is stopped, a machine takes over the functions of heart and lungs during surgery, presented and explained.							
568.966	Story of the Bloodstream II (color)	2¼	880	Biology C-L-C	A-V	220.00	62.9	66
	The red blood cell; the chemical processing plant of the red cell; how the rate of blood circulation is traced by tagged radioactive atoms, presented and explained.							

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
568.97	Story of Citrus Fruits, The	1	400	Soc. St.	E-J	60.00	24.1	63
568.98	Story of Citrus Fruits, The (color) Illustrates cultivation and processing of citrus fruits from seeding to finished product, canned and frozen for shipment to consumer.	1	400	Soc. St.	E-J	110.00	24.1	63
569.315	Story of Hurricanes, The..... How hurricanes are formed; animation used to demonstrate 'eye' and rotary movement. Actual scenes of worst hurricanes of past 30 years.	1	215	Sci.	J7-II 46	30.00	72.3	65
569.32	Story of Rice	1	442	Soc. St.	E-J	60.00	39	64
569.33	Story of Rice (color)	1	442	Soc. St.	E-J	120.00	39	64
569.34	Story of Sugar	1	442	S.S., H. Eco.	E-J	60.00	39	64
569.35	Story of Sugar (color)	1	442	S.S., H. Eco.	E-J	120.00	39	64
570	Story of Dr. Carver	1	400	Soc. St.	E-J	30.00***	87	64
570.1	Story of Dr. Carver, The Agricultural experiments and achievements of Dr. George Washington Carver, the scientist who was born a slave.	1	400	Soc. St.	J-A-V	60.00***	39	66
572	Story of Elias Howe	1	400	Soc. St.	E-J	30.00***	87	64
572.1	Story of A Frog	1½	504	Sci.	J	80.00	89	67
572.11	Story of Potatoes	1	443	Soc. St.	E-J	60.00	39	63
572.12	Story of Potatoes (color)	1	443	Soc. St.	E-J	120.00	39	63
573	Story of Dr. Jenner	1	382	Hygiene	J-A-V	30.00***	87	64
574	Story of King Midas	1	376	Lang. Arts	E	60.00	3	67
574.1	Story of King Midas (color) Picturization of the familiar story.	1	376	Lang. Arts	E	100.00	3	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
575	Story of Light (color) _____ Describes some of the materials on earth that were produced because of the sun's energy. Introduces the subject of fire, heat, electric light bulbs and gas-filled tubes as sources of light. Discusses refraction and reflection.	1¼	486	Sci.	5-6	135.00	89	66
577.05	Story of Magnetism, The _____ Dramatizes in authentic historical settings our knowledge of magnetism from earlier observations to present theories of the nature of magnetism and magnetic substances.	1-1/3	486	Sci.	Gr. 5-6	135.00	89	67
577.1	Story of Our Money System _____	1	400	Math.	E-J	60.00	24.1	64
577.11	Story of Our Money System (color) _____ Traces development of needs for a medium of exchange from times of early bartering to our modern money system in the United States. Dramatizes situations in which exchange of goods and services are necessary.	1	400	Math.	E-J	110.00	24.1	64
577.2	Story of Our Number System _____	1	400	Math.	E-J-A	60.00	24.1	63
577.21	Story of our Number System (color) _____ Historical development of numbers in Babylonian, Roman and Mayan Civilizations. Use of place value and evolution of abacus also shown.	1	400	Math.	E-J-A	110.00	24.1	63
577.79	Story of Ping, The _____	1	364	Lang. Arts	E	50.00**	91.95	63
578.1	Story of Prehistoric Man, The _____	1	400	Soc. St.	J	60.00	24.1	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
578.11	Story of Prehistoric Man, The (color)	1	400	Soc. St.	J	110.00	24.1	64
578.6	Story of Silver Shows the art of silver-smithing.	2	800	Art	A-V	95.00	12	67
579.51	Story of a Storm	1	400	Science	E-J	60.00	24.1	66
579.52	Story of a Storm (color)	1	400	Science	E-J	110.00	24.1	66
579.61	Story of the Goose and The Gander	1	405	Lang. Art	K-4	60.00	43	66
579.611	Story of the Goose and The Gander (color)	1	405	Lang. Art	K-4	110.00	43	66
	Story of a pair of geese on a goose farm. Every day the geese are taken to a cotton field to do the weeding. One day Mrs. Gander is left behind because she is building a nest. When Mr. Gander comes home he finds 9 new baby goslings.							
579.64	Story of Time	1	394	Math.		50.00	7.2	66
579.641	Story of Time (color)	1	394	Math.		125.00	7.2	66
	The story of man's ingenuity and inventiveness in devising ways and means, and instruments for the measurement of time is told with models and miniature sets.							
579.7	Story of Weights & Measures	1	400	Math.	E-J	60.00	24.1	65
579.71	Story of Weights & Measures (color)	1	400	Math.	E-J	120.00	24.1	65
	The role of weights and measures in daily living. The story of the development of some of these measures is portrayed and the need for standard measures is developed.							
581	Story That Couldn't be Printed	1	400	Soc. St.	E-J	30.00***	87	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
581.05	Stowaway, The (color) An adventure-filled quarter-hour about a 13 year old boy who stows away on his father's schooner and learns all about deep sea fishing when the vessel reaches the famous Grand Banks fishing grounds off the coast of Newfoundland.	1	600	Soc. St.	E-J	150.00	24.04	67
581.1	Straight Line Kinematics Notions of distance, speed and acceleration discussed; graphs of all three generated using special equipment in real test car. E. N. Hafner, Rochester.	3	1250	Sci.	A	150.00**	62.85	66
581.25	Stranded Presents the experience of a teacher in a rural school, who with her students is snowbound in the schoolhouse. Her courage and strength help the group to reach safety.	3	1000	Guid. Tr. Ed.	J-A-V	135.00	20.5	63
581.3	Strange Underground Labyrinths Labyrinths in Oregon and Nevada. In Oregon, the spectacular "Halls of Marble". Stalactites and stalagmites in the Lehman caverns of Nevada.	1	280	Sci.	J-A	40.00	72.3	66
581.45	Streamlining The effect of streamlining is shown very well through a series of simple experiments.	1	420	Sci.	J-A-V	55.00**	62.5	63
581.5	Street Safety is Your Problem Problem	1	400	Safety	E-J	50.00	62.5	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
581.7	Stretching The Imagination Demonstration that while form may change, the essential substance remains the same. Practical application of topology shown in planning power lines and routes.	3	1100	Math	J-A	150.00	1.3	67
581.9	String Choir (2nd edition)	1	417	Music	E-J-A-V	60.00	39	67
581.91	String Choir (2nd edition) (color) A brief description of instruments in string choir with illustrative examples.	1	420	Music	E-J-A-V	120.00	39	67
582.2	Study of A World Port Singapore	1	400	Soc. St.	J-A	50.00	89	63
582.23	"Studying The Universe"..... New superspeed cameras, capable of taking pictures at several thousand frames per second . . . Underwater Cameras . . . Cameras recording the flight of guided missiles.	1	360	Sci.	7 Unit II	50.00	72.3	66
582.24	Succession—From Sand Dune To Forest	1½	650	Sci.	A	90.00	39	66
582.241	Succession—From Sand Dune To Forest (color) A natural community of plants and animals is dynamic. It is continually changing in an orderly and predictable way, not only from day to night, and season to season, but over hundreds or thousands of years. This film shows an example of such a long-time change, or ecological succession.	1½	650	Sci.	A	180.00	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
✓ 582.245	Sudamerica 2 Parts Part I — Deals with historical and geographic forces which have moulded South America. Part II — Provides a detailed look at the hacienda and strides taken to convert a hacienda dominated society into a democratic one.	4	1060	Span.	J-A	305.00	57.8	67
582.25	Suez (color) Geographical importance and historical background of the Suez Canal.	2	460	Soc. St.	E-J-A-V	125.00**	58	63
582.33	Suez Canal Shows the need, history, construction and the benefits of the Suez and Panama Canals.	2	700	Soc. St.	E-J-A-V	60.00	24.04	67
582.34	Suez Canal (color) Shows the need, history, construction and the benefits of the Suez and Panama Canals.	2	700	Soc. St.	E-J-A-V	100.00	24.04	67
582.41	Sulphur and Its Compounds	1	400	Chem.	A-V	50.00	24.1	63
582.42	Sulphur and Its Compounds (color) Outlines the part which sulphur plays in modern industrial processes and highlights notable developments in the element's history.	1	400	Chem.	A-V	100.00	24.1	63
582.47	Summer is an Adventure.....	1	400	LA-S.S.	E	60.00	24.1	63
582.48	Summer is an Adventure (color) Fred and Judy leave their home in the city for a visit in the country. Through actual experiences on the lake, in the fields, in the woods, etc., the children become aware of the characteristics of summer and the ways in which all living things are affected.	1	400	LA-S.S.	E	110.00	24.1	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	1
582.49	Summer of Decision A vivid portrayal of the demands, challenge and rewards of the profession of social work.	3	1140	Guid.	J-A-V	50.00	82	67
582.5	Summer on The Farm (color)	1	383	S.S., Sci.	E	120.00	39	64
583.05	Sun and How it Affects Us, The	1	400	Sci.	(J-Unit	60.00	24.1	64
583.06	Sun and How it Affects Us, The (color) A Study of the sun is made, including its size, distance from the earth, effect on life and weather on the earth and theory as to its origin.	1	400	Sci.	(72.1b	110.00	24.1	64
583.08	Sun's Family This film explains the solar system, discussing the sun and the plants that travel about it.	1	324	Sci.	5-6	60.00	62.5	67
583.1	Supreme Court	1	400	History Govt.	A-V	50.00	24.1	65
583.2	Supreme Court (color)	1	400	History Govt.	A-V	120.00	24.1	65
583.3	Supreme Court Traces early history of Supreme Court, — its function, operation and relationship to other branches of government.	2	635	Soc. St.	A-V	120.00	39	65
583.41	Surface Areas of Solids—Part I	1½	545	Math.	CLC	75.00	21	67
583.411	Surface Areas of Solids—Part I (color) Development of basic formulae for surface areas of cubes, prisms and pyramids. Uses animation.	1½	545	Math.	A A CLC	150.00	21	67
583.412	Surface Areas of Solids Part II	1½	545	Math.	A	75.00	21	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
583.413	Surface Areas of Solids —Part II (color) Development of basic formulae for surface area of cylinders, cones and spheres using animation.	1½	545	Math.	A	150.00	21	67
583.43	Surface of the Earth	1	400	Sci.	J-A-V	55.00	1.8	67
583.431	Surface of the Earth (color) Formation of the surface of the earth, continuous changes taking place and how some of the odd and interesting characteristics were formed.	1	400	Sci.	J-A-V	110.00	1.8	67
583.5	Surface Tension Surface tension is explained very well by a fine series of simple experiments.	1	420	Sci.	J-A-V	55.00**	62.5	63
584.01	Surprise for Jean (color)	½	231	Lang. Arts	E	60.00	39	63
584.02	Swaging Cable Terminals...	1¼	428	Aviation	V	28.54	71	67
584.05	Swan Dive and Front Jackknife Teaches the steps to achieving perfect form on 1-meter board and in mid-air; demonstrates abdominal muscle exercises for use in these dives.	1	400	Health	E-J-A-V	120.00	89	64
584.1	Sweden	1	400	Soc. St.	E	36.00	39	63
584.11	Sweden (color)	1	400	Soc. St.	E	103.20	39	63
584.6	Swedish Family Story	2	483	Soc. St.	E-J-A-V	75.00	3	66
584.61	Swedish Family Story (color) Life in Stockholm the capital of Sweden — travel, homes, schools, markets; hiking, skiing and playing soccer.	2	483	Soc. St.	E-J-A-V	140.00	3	66
585	Swimming Techniques for Girls (Matt Mann)	1	400	Health Ed.	J-A-V	50.00	24.1	66
585.51	Switzerland	1	380	Soc. St.	E	36.00	39	63
585.52	Switzerland (color)	1	380	Soc. St.	E	103.20	39	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
585.6	Switzerland (color) Switzerland; its mountains, valleys, cities, towns, and villages.	3		Soc. St.	E-J-A C-L-C	300.00***	28	65
585.7	Switzerland of America A look at one part of our country—the ghost towns, abandoned mines, thriving farms, shepherds, conservation, and a stress on the lumber industry of Colorado.	1	440	Soc. St.	E	120.00	1.115	66
585.9	Symbols In Algebra Using animation and other special techniques, this film shows how algebra employs symbols which permit us to arrive at general rules for working with numbers.	1	400	Math.	T.T.	60.00	24.1	67
585.91	Symbols In Algebra (color) Using animation and other special techniques, this film shows how algebra employs symbols which permit us to arrive at general rules for working with numbers.	1	400	Math.	T.T.	110.00	24.1	67
586.1	Symphony Orchestra 2nd edition A brief description of the orchestra — a little historic background in the growth of the symphony orchestra with examples.	1¾	516	Music	E-J-A-V	75.00	39	67
586.11	Symphony Orchestra 2nd edition (color) A brief description of the orchestra — a little historic background in the growth of the symphony orchestra with examples.	1¾	519	Music	E-J-A-V	150.00	39	67
586.5	Synthetic Fibres Textile and Retail Selling	1¾	575	App. Chem.	J-A-V	75.00	39	65
587	Taiwan, The Face of Free China Presents the history, geography, government, people of Taiwan; the land reform program and growing industries; the tremendous surge of free Chinese to modernize their economy.	2½	950	Soc. Sci.	J-A	199.00	53.58	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
587.5	Take A Little Peek	1	360	Health Ed.	E-J-A-V	50.00	57.3	65
587.51	Take A Little Peek (color)	1	360	Health Ed.	E-J-A-V	100.00	57.3	65
	Excellent presentation of the square dance "Take a Peek."							
587.55	Taking Care Of Myself Dickie, during the course of the day, participates in purposeful activities designed to portray good family attitudes, citizenship practices, mental and motor skills, and health habits.	1	436	Health	K3	110.00	36.85	66
587.71	Talavera (color)	1	325	Art	J-A-V	110.00	53	65
	Famous Spanish technique still practised in Puebla by family units. Skillful use of potter's wheel. Traditional Moorish shapes and designs. Excellent for demonstration and appreciation.							
587.8	Tale of The Fiords	1	436	Lang. Arts	E-J	60.00	39	66
	"A story to see and hear about life in the mountains of Norway."							
587.9	Tale of The Ground Hog's Shadow	1	400	Lang. Arts	E	60.00	24.1	63
587.91	Tale of The Ground Hog's Shadow (color)	1	400	Lang. Arts	E	110.00	24.1	63
	The badger, beaver, porcupine, and skunk can't help the racoon, but the ground hog helps him discover the first signs of spring.							
588.1	Tale of Two Cities, A	4	1500	Lang. Art	A	240.00***	39	66
	Exciting View of the causes and effects of the French Revolution.							
588.4	Talking Car, The	1½	508	Dr. Ed.- Safety	E-J	14.53	1.18	64
588.41	Talking Car, The (color)	1½	508	Dr. Ed.- Safety	E-J	50.23	1.18	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
588.7	Tankship, The Shows distribution of oil from storage tank to ship; by ship to receiver. The various places where tank-ships take on the oil are shown. Some of the administrative details carried on during a voyage are given.	1	438	Soc. St.	J-A-V	120.00**	29	64
588.8	Tape Recording for Instruction Shows microphone placement, basic operating procedures and classroom utilization.	1½	535	TT		75.00	57.3	67
589	Tara, The Stone Cutter (color) This folktale related by a Japanese voice in English is the story of a poor stone-cutter who desires to be someone other than himself. Adapted from a Japanese folk story.	1	313	Lang. Art	E	120.00**	57.8	65
589.2	TB—Why Does It Strike?... Originally televised by CBS, this film features baseball player, Red Schoendienst, and Rockefeller Inst. scientists. It deals with the TB problem, drug treatment and possibilities of eliminating TB.	2½	972	Health, Sci.	J-A-V	120.00	24.7	66
589.46	Teacher Education Series Broader Concept of Method Pt. 1 Developing Pupil Interest	1½	520	Tchr. Tr.		80.00	62.5	64
589.52	Learning to Understand Children Pt. 1A Diagnostic Approach	2	840	Tchr. Tr. Parent Ed.		125.00	62.5	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
589.53	Learning to Understand Children Pt. 2—A Remedial Program	2¼	920	Tchr. Tr. Parent Ed.		130.00	62.5	64
589.54	Maintaining Classroom Discipline	1½	560	Tchr. Tr.		90.00	62.5	64
589.57	Broader Concept of Method Teacher & Pupils Planning & Working Together	2	760	Tchr. Tr.		115.00	62.5	64
590.21	Teaching Time Relationships In The Elementary Schools (color) Suggests methods for helping elementary children develop concepts of time. Shows the child how to relate his experiences with the past, present and future.	2	433	Math. Soc. St.	T.T.	130.00	3	67
591	Teamwork	1½	475	Soc. St.	J-A-V	45.00	85	65
591.1	Teamwork (color) Growth of cooperation, particularly between labor and management from ancient Egypt to World War II.	1½	475	Soc. St.	J-A-V	110.00	85	65
591.2	Techniques of Foil Fencing Gives the technique of using the foil as a member of the fencing team.	1	375	Health	A	35.00	89.3	64
591.3	Techniques of Tennis Fundamentals of tennis as explained by Lloyd Bridges to a group of girls of high school age.	1	400	Health Ed.	J-A-V	30.00***	87	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
591.4	Techniques of Snare Drumming Its purpose is to equalize the discrepancy between reading ability and technical ability. Shows stick grips, three basic rhythms and 23 variations.	1½	530	Music	J-A	75.00	61.5	66
591.5	Teeth, The	1	388	Health Ed.	J-A-V	60.00	39	63
591.6	Teeth Are to Keep (color)	1	410	Health Ed.	E	120.00	39	66
591.7	Teeth—Their Structure and Care	1	400	H. Tch.	J	60.00	24.1	67
591.71	Teeth—Their Structure and Care (color) Highlights need for good dental health habits.	1	400	H. Tch.	J	110.00	24.1	67
591.9	Telephone, Le Typical situation of a phone call never made the reason why.	1	350	French	J-A-Ad	56.00	21.37	67
Television Production Series								
592.51	Staging For Television Centered around the panel and interview television programs, the common errors of staging are pointed out, and methods to be used in good program staging are described and demonstrated. Indicates minimum equipment for educational television studio and principles of fabrication from inexpensive materials with minimum tools. Ends with still pictures of a number of successful ETV staging situations.	3	1075	Tch. Tr. Dram. only	CLC	125.00	57.3	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
592.52	Directing: Part I Both undesirable and desirable pre-camera procedures are discussed and demonstrated from the director's viewpoint. The development of a program is traced from its conception to camera time. Problems are those arising from two camera treatment of interviews, panel discussions and lecture demonstration lessons.	3	1075	Tch. Tr. Dram. only	CLC	125.00	57.3	65
592.53	Directing: Part II A continuation of the discussion and demonstration of techniques and problems of television directing, dealing here with the on-camera aspects of program direction. Same problem as above.	3	1075	Tch. Tr. Dram. only	CLC	125.00	57.3	65
592.54	Lighting Problems and pitfalls of lighting fundamentals for the interview and panel-discussion television programs are outlined and exemplified. How each may be avoided is spelled out. The functions of key, back, background, and fill lights are explained and demonstrated.	3	1075	Tch. Tr.	CLC	125.00	57.3	65
592.8	Television Serves It's Community	1½	534	Soc. Sci.	E-J	70.00	43	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
592.81	Television Serves It's Community (color)	1¼	534	Soc. Sci.	E-J	135.00	43	66
	A visit to a television studio shows the Preparation of programs. Follows three programs through planning, rehearsal & televising. Use of live cameras, film magnetic tapes & remote pick-ups.							
593	Tell Tale Heart, The	3	960	Lang. Art	J-A-V	110.00	76.8	64
	The immortal short story by Edgar Allen Poe told in the first person by one actor using only one prop — a wooden chair — and fantastic lighting techniques.							
593.5	Tembo—The Baby Elephant	1	367	Lang. Art	E	100.25	5	64
	A story about a baby African elephant showing living habits of the herd, and the other animals living nearby.							
593.51	Ten Days That Shook the Commonwealth	2½	1000	Soc. St.	A	100.00	62.5	64
	Shows the events leading up to the Suez crisis and the action of the U. N. in obtaining a withdrawal of troops from Egypt.							
594	Tension Testing	1¼	760	Mat. & Testing	V	45.41	71	67
594.3	Test, The	1	769	Guid.	Ad	150.00	62.5	67
594.31	Test, The (color)	1	769	Guid.	Ad	300.00	62.5	67
	Because of cheating in a high school exam., the teacher fails everyone. Parents become aware that the climate of morality which condones cheating is learned at home.							

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
594.5	Texas Star	1	390	Health	Ed. E-J	50.00	57.3	63
594.51	Texas Star (color) Step by step analysis of the dance.	1	390	Health	Ed. E-J	100.00	57.3	63
595.1	Texture (color) Textures of various kinds from nature application of textures to man made objects — wood — metal.	$\frac{3}{4}$	214	Art	E-J	60.00	39	65
595.15	Thailand Land of Rice	1 $\frac{1}{4}$	489	Soc. St.	E-J-A-V	75.00	39	63
595.16	Thailand Land of Rice (color) The government, religion, industries, family life and customs of Thailand.	1 $\frac{1}{4}$	489	Soc. St.	E-J-A-V	150.00	39	63
595.3	"That They May Live"	2	716	Health	Ed. E-J-A-V	110.00**	74.5	66
595.31	"That They May Live" (color) The film explains mouth-to-mouth resuscitation showing how the method is easily administered and that it is most effective to use in emergency situations.	2	716	Health	Ed. E-J-A-V	185.00**	74.5	66
595.5	Theory of Flight Explains basic principles of airplane flight by illustrating the application of physical laws to forces acting on airfoils.	1	392	Physics	A	60.00	39	66
596	Therapeutic Uses of Heat & Cold Pt. I	2	750	H. Nurs.	A-V	45.41	71	67
597	Thermodynamics	1	394	Sci.	J	60.00	39	64
597.11	Things Dissolve With the aid of a wide variety of simple experiments the film demonstrates that some things dissolve; some do not; and explains how important this is to us.	1	401	Sci.	E	50.00	62.5	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
597.15	Things Expand When Heated (Rev)	1	360	Sci.	5-6	60.00	62.5	67
597.151	Things Expand when Heated (Rev.) (color) Demonstrates the movements of molecules before and after heat is applied to them, as an understanding of contraction and expansion and provides an introduction to the Molecular Theory.	1	360	Sci.	5-6	125.00	62.5	67
597.19	Things Taxes Buy Describes services city people receive from combined efforts of tax dollars — shows full scope of municipal benefits, cautions need for balanced budgets.	1	400	Soc. St.	J-A-V	85.00	57.23	66
597.205	The Thinking Machine A scientific and mathematical analysis of the role of electronic computers. The TX-O digital computer is highlighted. It plays checkers and writes a TV play.	5	1964	Tch. Tr.		250.00	20.5	66
597.25	This Is Free China Life of typical Formosans, showing age-old Chinese customs prevailing. Emphasizes vigor and enterprise of the Free Chinese Republic — last outpost of freedom for China.	1	400	Sci.	E-A-V	85.00	57.23	66
597.3	This Is Norway (color) Modern Norway, its ultra modern cities and parks, as contrasted with the life of its Lapp tribesmen of the North. Excellent analysis of the country's industries and living habits.	1½	650	Soc. Sci.	E-J-A-V	170.00	76.8	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
597.4	This Is Nursing Shows how the Nurse works with the rest of the medical team and family to help a patient recover from a serious illness. Home care and follow-up is also shown.	2½	1061	Health Guid.	A	250.00	89.3	64
597.45	This Is Pakistan Problems of a struggling new nation are witnessed in city and village as Pakistan's modes of living and activities of Pakistan's people are shown.	1	400	Soc. St.	J-A-V	85.00	57.23	66
597.5	This is The Challenge Reviews the peacemaking achievements of the U.N. by noting the U.N. work in the area of technical assistance, health and education.	1	360	Soc. St.	J-A-V	32.50	24.04	64
597.7	This Is The Moon Explains the relation of the moon to the sun and earth, how the moon gets its light, the phases of the moon and its physical characteristics.	1	360	Sci.	Gr. 4	60.00	62.5	67
598	This Land Australia (color) Australia today. A general film of Australia, showing the main features of the land and its people.	2	812	Soc. St.	E-J	200.00	1.5	65
599	Three Little Kittens The familiar story—real animals used.	1	358	Lang. Arts	E	60.00	39	64
599.1	Three Little Pigs The familiar story—real animals used.	1	400	Lang. Arts	J-A-V	60.00	24.1	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
599.21	Three Steps To Start This film points out that by enlisting the resources of the entire town, not only the youth problem but underlying problems can be solved.	2½	936	Guid. Soc. St.	A-V	135.00	62.5	67
599.6	Three, Two, One, Zero The story of nuclear energy — its history, its potentials and its implications — told through motion picture footage from this country, Russia, Japan and elsewhere.	5	1944	Soc. St.	A-CLC	195.00	62.5	66
600	Throne of Solomon, The A story of recent Ethiopian history contrasting the old with the new. Tells of Haile Selassie's hopes and struggles in the cause of his land and the remarkable progress at modernizing Ethiopia.	1	450	Soc. St.	J-A-V	70.00	73.02	64
600.99	Thunder & Lightning This film explains the phenomena of thunder and lightning in simple terms using this as a springboard for explaining static electricity and electrons.	1	360	Sci.	6-9	60.00	62.5	67
601.1	Tibetan Traders	2	800	Soc. St.	J	120.40	1.37	63
601.11	Tibetan Traders (color) ... Description of the native customs of the people of Tibet. Views of the rugged country of the mountains presented. Primitive ways of living portrayed. The use of trading is explained as a means for survival and business.	2	800	Soc. St.	J	200.40	1.37	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
602.51	Tides	1	400	Science	J-A	50.00	1.15	66
602.7	Tierra Mexicana	2	789	Spanish	J-A-V	110.00	57.8	63
603	Time	1½	535	Sci. Math.	J-A-V	75.00	57.3	65
603.1	Time (color) Develops concepts of time determination, time keeping, use of time in rate and frequency meas- urements. Portrays use of time zones, Date Line and Daylight Saving Time.	1½	535	Sci. Math.	J-A-V	150.00	57.3	65
603.3	Time of Wonder	2	460	Art, L.A.	E	70.00	91.95	67
603.31	Time of Wonder (color) The film is based on Robert McCloskey's pic- ture book of the same title describing the change of seasons on his island in Maine.	2	460	Art, L.A.	E	135.00	91.95	67
603.4	Time To Dance, A A history of the dance — from ancient times to modern. Enrichment and dance clubs.	3	1101	H. Ed.	A-V	125.00	57.3	67
603.5	Times of Teddy Roosevelt The The life and times of the President who shepherd- ed the U.S. into the mainstream of 20th Cen- tury life.	2½	936	Soc. St.	A	135.00	62.5	66
605	Tinning & Solder Wiping	2½	919	Pipe Fitting	V	54.19	71	67
606	Titan, The Photographs of works of Michelangelo, includ- ing "David," "Moses," the Medici monument, and others.	6	2400	Art M.P.A.	J-A-V	250.00	24.04	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
606.8	Toads (color) An account of the life history of the toad.	1	382	Sci.	E	110.00**	29	64
606.85	Tom Savage, Boy of Early Virginia	1½	767	Soc. St.	E-J	120.00	39	64
606.86	Tom Savage, Boy of Early Virginia (color) Indentured boy is offered as a gift to Powhatan, the Indian Chief, by whom he is treated as a son. When the Indians plan to attack Jamestown, Tom runs away to warn the settlers.	1½	767	Soc. St.	E-J	240.00	39	64
606.9	Tomatoes — Planting and Transplanting (color) ... The story of planting and growing tomatoes through a full season from seed to fruit is described.	¾	300	Sci.	E	85.00	86.5	63
607	Tommy's Day	1½	400	Health Ed.	E	85.00	62.5	67
608.2	Tommy The Lion	1¾	465	Lang. Arts	E	62.50	62.5	63
608.25	Tommy's Healthy Teeth	1	400	Health Ed.	1-3	60.00	24.1	65
608.26	Tommy's Healthy Teeth (color) Tommy discovers that teeth do different jobs — like cutting, tearing, and grinding, and learns that regular dental check-ups are as important to having healthy teeth as brushing them properly and eating the right foods.	1	400	Health Ed.	1-3	120.00	24.1	65
608.3	Topsoil	1	368	Sci.-S.S.	E-J	20.89	71	67
608.35	Totems (color) This film shows the carved and painted totems of the British Columbia Indians—views of totems.	1	400	Art	E-J-A-V	120.00	57.8	66
608.4	Toulouse Lautrec: Painter of The Paris Boheme (color)	2	850	Art	A-V	275.00	12	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
609.15	Toymaker, The (color)	2	544	Guid.	E-J-A-V	135.00	24.04	63
609.3	Toy Telephone Truck	1	400	Lang. Arts	E	60.00	24.1	63
609.31	Toy Telephone Truck (color)	1	400	Lang. Arts	E	110.00	24.1	63
609.33	Trade and Industry — Great Britain	2	754	Soc. St.	E-J	110.00	89	65
609.35	Trade and Transportation The role of buying and selling in our world to- day, and the several ways in which goods and peo- ple are transported from one area to another are clearly shown.	2	800	Soc. St.	6-9	110.00	89	64
609.55	Tragedy of John Milton	2½	1000	Lang. Arts	A-V	135.00	62.5	63
	Taken from the T. V. series "You Are There."							
609.8	Train Trip Through the Rockies	1½	600	Soc. St.	E	75.40	1.11	66
609.81	Train Trip Through The Rockies (color)	1½	600	Soc. St.	E	150.40	1.11	66
	Children on train travel- ling through Rockies.							
609.82	Train Trip With Dick and Sandra	1½	600	Soc. St.	E	75.40	1.11	66
609.83	Train Trip With Dick and Sandra (color)	1½	600	Soc. St.	E	150.40	1.11	66
	The dining car, Pullman, making up berths, etc.							
609.86	Trampoline Fundamentals	1	419	Health	A	60.00	3	66
609.861	Trampoline Fundamentals (color)	1	419	Health	A	120.00	3	66
	High school boys and girls demonstrate the ba- sic fundamentals of tram- polining. Landing posi- tions, aerial positions, front and back flips, and safety measures are shown.							
609.91	Transfer of Materials	3	1080	Bio.	10th	150.00	62.5	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
609.911	Transfer of Materials (color) External environment of a cell begins just outside of the plasma membrane or any covering secreted by it. Matter enters and leaves cells as molecules or ions.	3	1080	Bio.	10th	300.00	62.5	66
609.95	Transportation: America's Inland Waterways	1½	500	Soc. St.	E-J	75.00	24.1	63
609.96	Transportation: America's Inland Waterways (color) Locations of inland wa- terways, scenes of acti- vity of these waterways to show importance of these waterways, canals, canal locks, loading ships, barges, tows, etc. are shown.	1½	500	Soc. St.	E-J	137.50	24.1	63
609.97	Transportation in The Modern World	1	400	Soc. St.	E-J-A	60.00	24.1	63
609.98	Transportation in the Modern World (color) Indicates the role of modern modes of trans- portation in moving raw materials, finished pro- ducts, and all kinds of travelers.	1	400	Soc. St.	E-J-V	110.00	24.1	63
610	Transportation by Air Survey of transportation by air; advantages; con- tributions of workers in this field, benefits of air mail and air freight; types of planes including helicopters explained.	1½	520	Soc. St.	E-J	80.00	62.5	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
610.1	Transportation by Land ... Points out vastness of country and need to transport goods from their source to consumer; the role of highway and rail transportation in our country.	1	391	Soc. St.	E-J	50.00	62.5	63
610.2	Transportation by Water ... Shows various forms of transportation by water—passenger and freight ships, ferries, tugboats, tankers. Shows scenes on Great Lakes, in New York Harbor, and in Italy and Hong Kong.	1½	500	Soc. St.	J	75.00	62.5	64
610.3	Trappers of the Sea (rev.) (color) Lobster fishing in Nova Scotia, with school section showing how lobsters are canned for markets of the world.	1½	612	Soc. St.	6-9	180.00	64	65
610.4	Travel in America in the 1840's Boys story of a travel adventure from Eastern New York to Chicago by stagecoach, canal boat, Lake steamer and steam train in the 1840's.	1½	500	Soc. St.	E	75.00	24.1	63
610.41	Travel in America in the 1840's (color) Boys story of a travel adventure from Eastern New York to Chicago by stagecoach, canal boat, Lake steamer and steam train in the 1840's.	1½	500	Soc. St.	E	137.50	24.1	63
610.8	Treasure Island Stevenson's gripping adventure story with all the wonderful characterizations. Jim Hawkins, Billy Bones, Long John Silver.	4	1500	Lang. Art	E-J	240.00***	39	66
611	Treasures in Snow A story of a boy's adventures in the Arctic.	1	250	Science	J-A	30.00	62.9	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
611.1	Treasures in Snow (color) Film shows the water cycle in nature; how power is derived from the movement of water; how plants need water; microscopic pictures of snow flakes.	1	250	Science	J-A	65.00	62.9	66
611.15	Treasures of the Earth	1	396	Science	5-6	50.00	21.4	64
611.16	Treasures of the Earth (color) An animated film that explains how important minerals were deposited in the earth and how they are mined. Included are gold, iron, copper, salt, petroleum and coal. Conservation is also included.	1	396	Science	5-6	100.00	21.4	64
611.18	Treasures of the Forest Presents the processing of timber, from scientific forest management and industrial harvesting, to the finished newsprint and other paper and wood products.	1½	500	Soc. St.	E-J	75.00	24.1	65
611.2	Trees: How We Identify Them	1	400	Sci.	E-J	60.00	24.1	63
611.21	Trees: How We Identify Them (color) Points out ways to identify trees by shape, bark, leaves and fruit, and explains the differences between deciduous trees and evergreens.	1	400	Sci.	E-J	110.00	24.1	63
611.25	Trees — Our Plant Giants	1½	500	Sci.	4-6	75.40	1.11	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
611.251	Trees — Our Plant Giants (color) Characteristics and uses of trees are shown. Trees are used in building houses, bridges, boats, for telephone poles, railroad ties, paper making. Fruit of trees, sap from the Maple tree and latex from rubber trees all contribute to our living.	1¼	500	Sci.	4-6	140.40	1.11	66
611.27	Trial At Nuremberg The trial of the top 21 Nazis charged with crimes against the peace, war crimes and crimes against humanity. Both American & Russian films are used to document this 11-month trial.	3	1080	Soc. St.	A-V	135.00	62.5	67
611.3	Tribe of The Turquoise Waters	1	450	Soc. St.	E	110.00	1.6	64
611.305	Trigonometry : Trigonometry Measures The Earth Shows how Eratosthenes, in Ancient Greece, used trigonometry and shadows casts by the sun to measure the circumference and diameter of the earth. A method of finding the distance to the moon by trigonometry is described.	2½	990	Math.	A	150.00	62.85	67
611.31	Trio, The (Rubinstein, Heifetz, Piatigorsky)	2½	977	Music	J-A-V	300.00**	62.8	64
611.32	Trip to The Moon, A	1½	561	Sci.	J	90.00	39	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
611.33	Trip to The Moon, A (color) _____ An imaginary rocket takes off to the moon and flies around it. The relative size and distance to the moon are shown. The film shows in detail the craters and seas; the ridges and the mountain ranges that can be seen from the earth.	1½	561	Sci.	J	180.00	39	63
611.4	Tropical Africa (color) — Africa. Attempts to show new Africa undergoing great social change. Four minute animation sequence, original musical score based on African themes.	3	1067	Soc. St.	J-A-V	250.00**	58	67
611.45	Tropical Lowlands, The; The Amazon River _____	2	755	Soc. St.	E-J	110.00	89	65
611.5	Tropical Mountain Island (Java) _____	2	800	Soc. St.	E-J-A-V	110.00	89	64
611.6	Tropical Rainforest, The	1½	575	Bio. Zoo	A	90.00	39	67
611.61	Tropical Rainforest, The (color) _____ A wide variety of tropical rainforest vegetation and animal life is used to illustrate the ecological interrelationships of this complex environment.	1½	575	Bio. Zoo	A	180.00	39	67
611.7	Truck Driver, The _____	1½	569	Soc. St.	E	90.00	39	64
611.71	Truck Driver, The (color) _____ A day in the life of a long haul truck driver and the part played by various types of trucks in our life are shown.	1½	569	Soc. St.	E	180.00	39	64
611.9	Truck Farm, The _____	1	400	Soc. St.	E	60.00	24.1	67
611.91	Truck Farm, The (color) The film shows activities and life of a truck farmer and his family.	1	400	Soc. St.	E	110.00	24.1	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
612.01	Truck Farmer (Second Edition)	1	384	Soc. St.	E-J	60.00	39	65
	Truck farming—planting insect control, irrigation, harvesting, freezing, canning, packaging and marketing.							
612.1	Truck Transportation on The Long Haul	1½	600	Soc. St.	E-J	75.60	1.11	65
612.11	Truck Transportation on The Long Haul (color) "Long Haul" — Los Angeles to Spokane showing five stages, five drivers; stops for refueling and servicing; variety of scenery, roads and weather conditions.	1½	600	Soc. St.	E-J	150.60	1.11	65
612.15	Trucks and Trains	1	400	Soc. St.	K-4	60.00	21.4	67
612.151	Trucks and Trains (color) A small boy discovers that almost all the things in his room have been delivered by trucks and trains. We follow the trucks and trains as they deliver a desk to Tommy's room.	1	400	Soc. St.	K-4	110.00	21.4	67
612.2	True Story of Robinson Crusoe	1½	600	Lang. Arts	E-J	75.00	63	63
612.21	True Story of Robinson Crusoe (color)	1½	600	Lang. Arts	E-J	135.00	63	63
	The historical basis for the novel.							
612.35	Tschaikowsky Concert	1	294	Music	J-A-V	45.00	85	65
	Leonard Rose, cellist and L. Hambro, piano accompanist present a short concert featuring:							
	(A) Variations on a Roccoco Theme							
	(B) Andante							
	(C) Allegro Vive							
	Close-ups, angles etc. project fine cello playing.							

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
612.41	Tuberculosis (3rd revision) Objective — periodic health examination. Importance of X-Ray — doctor's advice — care after treatment.	1	368	Health Teach.	E-J-A-V	60.00	39	66
613.5	Tugboats	1	386	Soc. St.	E-J	60.00	39	64
615	Turkey: A Strategic Land and Its People	1	400	Soc. St.	E-J-A	60.00	24.1	65
615.1	Turkey: A Strategic Land and Its People (color)..... The location of Turkey between Asia and Europe and astride Russia's water route to the Black Sea gives it a strategic political importance. The climatic and geographic features, natural resources and industries in relation to the Turkish people are depicted.	1	400	Soc. St.	E-J-A	120.00	24.1	65
616.75	Turkeys	1	380	Soc. St.	E	55.00**	72.15	64
616.76	Turkeys (color)	1	380	Soc. St.	E	100.00**	72.15	64
	Designed to inform city-bred primary pupils about farm poultry; follows turkey eggs through hatchery, scenes of actual hatching; follows flocks through feeding & growth; natural cheeps & gobbles.							
616.9	Turn Of The Century	2½	936	Soc. St.	C-L-C	135.00	62.5	66
	A picture of the European world and way of life which was destroyed by the First World War, and the personalities and forces which led to that war.							
617.1	Turning a Cylinder Between Centers	1¾	613	Machine Shop	V	39.34	71	67
617.11	Turning Taper Work	1¾	461	Machine Shop	V	29.89	71	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
617.12	Turning Work Held in Mandrel _____	1½	728	Machine Shop	V	44.29	71	67
617.13	Turning Work Held in A Fixture _____	1½	741	Machine Shop	V	45.41	71	67
618	Two Arab Boys of Tangier, Morocco (color) _____ Gives glimpses of the European and Arab sections of the former international city of Tangier, now part of Morocco.	1½	650	Soc. St.	J	138.00	48	65
618.3	Two Views on Socialism_____	1½	600	Soc. St.	A-V	90.00	24.1	63
618.31	Two Views on Socialism (color) _____ The basic charges made by socialists against capitalistic society are made and answered.	1½	600	Soc. St.	A-V	165.00	24.1	63
618.5	Typical Garden Spider _____ Depicts the life cycle of the garden spider making its web, — trapping and paralyzing its victims and encasing them in cocoons.	¾	300	Science	E-J	45.00	24.1	66
618.7	Ugly Duckling (color) _____	1	383	Lang. Arts	E	120.00	39	63
618.9	Umbrella, The _____ The umbrella illustrates how inadequate parent child relationships can often lead to delinquent behavior. The story of a pre-delinquent boy from a middle class home who steals an umbrella. Excellent as a spring board for discussions on the emotional needs of children.	1	1120	Guidance	T-T	150.00	24.04	67
619	Un Pueblo de Espana _____	1	400	Spanish	J-A	50.00	21.4	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	i
619.1	Un Pueblo de Espana (color) Shows people, occupa- tions, daily activities and countryside of a small southern Spanish town. Simple language suitable for all grades.	1	400	Spanish	J-A	100.00	21.4	64
619.2	Un Viaja A Mexico (color) Shows people, occupa- tions, daily activities and countryside of a small southern Spanish town. Simple language suitable for all grades.	1	404	Spanish	A	120.00	39	64
619.3	Una Familia De Petirrojos (Mr. & Mrs. Robin's Family) Carefully worded simple Spanish narration tells how Mr. and Mrs. Robin raise their little family, shows daily habits of the birds.	1	400	Span.	E-J-A-V	60.00	24.1	66
619.5	Understanding A Map By means of models and animation, this film ex- plains the relation of a simple map to the terri- tory that it represents.	1	396	Soc. St.	J	60.00	62.5	67
619.6	Understanding Children's Play Shows children playing and talking about their play.	1	413	T.T., Par. Ed.		50.71	70	64
619.7	Understanding Fire Shows how fire is made and how it is used.	1	400	E. Sci.	E	60.00	24.1	67
619.71	Understanding Fire (color) Using scenes at an out- side barbecue pit, film ex- plains three essentials for burning — fuel, oxygen and heat.	1	400	E. Sci.	E	110.00	24.1	67
620	Understanding Matter and Energy (color) Offers the student a sim- ple explanation of the three forms of matter and illustrates different forms of energy.	1½	650	Sci.	8th	200.00	57.8	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
	Understanding Numbers Series							
620.3	The Earliest Numbers The historical develop- ment of numeration with respect to the concepts of base and place.	2½	1075	Math.-T.T.	E-J-A-V	100.00	57.3	63
620.31	Base and Place The binary system as the basis for modern calcu- lating machines.	2½	1075	Math.-T.T.	J-A-V	100.00	57.3	63
620.32	Big Numbers Exponential or scientific system of notation for expressing very large and very small numbers.	2½	1075	Math.-T.T.	J-A-V	100.00	57.3	63
620.33	Fundamental Operations Basic rules of closure, association, commutation and distribution ex- plained by means of mo- dulo arithmetic.	2½	1075	Math.-T.T.	J-A-V	100.00	57.3	63
620.34	Fractions Gives a historical and practical overview of the meaning and use of frac- tions. The development used a practical example as a motivation. The con- trast between the rational fraction and the duo-deci- mal fraction was made.	2½	1075	Math.	J-A-V	100.00	57.3	63
620.35	New Numbers Way in which new num- bers are developed: need, symbols; application and physical representation.	2½	1075	Math.	J-A-V	100.00	57.3	63
620.36	Short Cuts Short cuts in multiplica- tion with emphasis on development of slide rule from the principle of log- arithm.	2½	1075	Math.	J-A-V	100.00	57.3	63
620.5	Understanding our Earth: Glaciers	1	400	Soc. St. Sci.	J	60.00	24.1	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
620.51	Glaciers (color) Understanding our Earth:	1	400	Soc. St. Sci.	J	110.00	24.1	63
620.55	Understanding our Earth How Its Surface Changes	1	400	Sci.	E-J	60.00	24.1	67
620.56	Understanding Our Earth How Its Surface Changes (color) How the earth is broken down and built up by water, wind, volcanoes, etc.	1	400	Sci.	E-J	110.00	24.1	67
620.6	Understanding our Earth: Rocks and Minerals	1	400	Sci.	6	60.00	24.1	63
620.61	Understand our Earth: Rocks and Minerals (color) Through the medium of the field-trip the three classes of rocks are illus- trated and examined — igneous, sedimentary and metamorphic. Suggestions for classroom activities are offered.	1	400	Sci.	6	110.00	24.1	63
620.63	Understanding our Earth: Soil	1	400	Sci.	E-J	60.00	24.1	64
620.64	Understanding our Earth: Soil (color)	1	400	Sci.	E-J	110.00	24.1	64
620.7	Understanding our Universe	1	400	Sci.	E-J	60.00	24.1	67
620.71	Understanding our Universe (color) Discusses the increase in knowledge since the in- vention of the telescope.	1	400	Sci.	E-J	110.00	24.1	67
620.75	Understanding Vitamins (color)	1½	498	Bio.	J-A-V	150.00	39	63
620.77	Understanding Your Emotions	1½	500	Guid.	A-V	75.00	24.1	63
620.78	Understanding Your Emotions (color)	1½	500	Guid.	A-V	137.50	24.1	63
620.81	Understanding Your Ideals	1½	500	Guid.	J A-V	75.00	24.1	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
620.82	Understanding Your Ideals (color)	1½	500	Guid.	J-A-V	137.50	24.1	66
620.85	Underwater Adventure	1	290	Sci.	E-J-A	45.00	85	65
620.86	Underwater Adventure (color)	1	290	Sci.	E-J-A	110.00	85	65
	Sea animals and fish seen at close range; porpoise, turtle, octopus, anemone etc.							
620.88	Une Famille Bretonne	1	394	French	A	60.00	39	66
620.89	Unique Contribution, The (color)	2½	1092	Tch. Tr.		150.00	39	65
	A filmed informational offering, it gives coverage of various types of educa- tional films plus discus- sions of the various cine- matic devices that make the film medium a unique contribution to education.							
620.94	United Nations In World Disputes	1½	750	Soc. St.	J-A-V	41.59	71	67
620.95	Unlocking The Atom (Nuclear Fission)	1½	684	Science	A-V	115.00	89	67
621	Unusual Clocks	1	250	Math. Soc. St.	E-J-A	35.00	72.3	65
	At the House of Clocks in New York University and in a unique clock mu- seum in The Netherlands, the camera traces meth- ods man has used to measure the passage of time.							
621.5	U.S. Community and Its Citizens	2	785	Soc. St.	E-J	110.00	89	65
621.55	U.S. Defense Against Foreign Plague (color)	1	400	Soc. St.	E	90.00	48	66
	Presents the work of the sanitary inspectors at U.S. quarantine stations at ports of entry.							
621.6	U.S. Expansion — Florida	1½	500	Soc. St.	J-A	75.00	24.1	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
621.61	U.S. Expansion — Florida (color) Presents an overview of the expansion of Florida from the time of Ponce de Leon up to the entry of Florida into the U.S. Physical characteristics of the area are indicated in relation to the economic and political development.	1¼	500	Soc. St.	J-A	137.50	24.1	66
621.64	U.S. Expansion: The Louisiana Purchase	1¼	500	Soc. St.	J-A-V	75.00	24.1	64
621.65	U.S. Expansion: The Louisiana Purchase (color) The place of the Louisiana Purchase in relation to the westward expansion. A study of the purchase, settlement and importance of Louisiana is made.	1¼	500	Soc. St.	J-A-V	137.50	24.1	64
621.68	U.S. Expansion: The Oregon Country	1¼	500	Soc. St.	J-A-V	75.00	24.1	64
621.69	U.S. Expansion: The Oregon Country (color) Depicts the key events in the history of the Oregon Country. Good use of maps to illustrate the phases of the acquisition and exploration of the area.	1¼	500	Soc. St.	J-A-V	137.50	24.1	64
621.691	U.S. Expansion: Settling The West (1853-1890) —	1¼	500	Soc. Sci.	J	75.00	24.1	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
621.692	U.S. Expansion: Settling The West (1853-1890) (color) _____	1¼	500	Soc. Sci.	J	137.50	24.1	66
	Tracing settlement of area westward from Iowa and Missouri, we see frontier developed by early miners, cattle ranchers, farmers, and homesteaders.							
621.7	U.S. Expansion—Texas and the Far Southwest.....	1¼	500	Soc. St.	E-J	75.00	24.1	66
621.71	U.S. Expansion—Texas and the Far Southwest (color) _____	1¼	500	Soc. St.	E-J	137.50	24.1	66
	Historical background, showing early exploration and settlement by Spaniards, Mexican Revolution, Texas Revolution, Annexation to U.S. Presents conflicts and contributions of Spanish and American settlers.							
622	U.S. Treasury _____	1	400	Eco.	A-V	30.00***	87	64
622.4	Universal Gravitation _____	2½	1080	Sci.	CLC A	150.00**	62.85	67
	The law of universal gravitation is derived by imagining a solar system of one star and one planet. Prof. J. N. P. Hume and Prof. D. G. Ivey as inhabitants of planet X describes the process by which they derived the law in their solar system.							
622.5	Universe _____	2½	1017	Sci.	7 Unit II, 2	130.00	64	66
	Astronomy, and a glimpse of the scope of our own universe and the galaxies beyond.							
624.01	Use of Forests _____	1	400	Soc. St.	E	60.00	24.1	66
624.02	Use of Forests (color) —	1	400	Soc. St.	E	110.00	24.1	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
624.5	Using A Boring Bar Between Centers	2	784	Machine Shop	V	46.76	71	67
624.7	Using Analytical Tools By demonstrating a typical student problem, the film shows how various counseling tools and techniques are applied. These tools provide the basic information which enables the counselor and student to take the first step in the counseling process.	1½	504	Guid.	T.T.	80.00	62.5	67
624.9	Using the Bank	1	388	Bus. Tr.	A-V	60.00	39	66
625	Using the Classroom Film	2	867	Tch. Tr.	E-J-A-V	120.00	39	66
625.1	Using The Scientific Method	1	400	Sci.	E-J	60.00	24.1	64
625.11	Using the Scientific Method (color)	1	400	Sci.	E-J	110.00	24.1	64
626	Using a Steady Rest When Boring	1¾	746	Machine Shop	V	52.84	71	67
626.7	Vacances en Normandie.....	1	387	French	J-A	60.00	39	67
626.71	Vacances en Normandie (color) A visit to grandmother's farm in Normandie, showing a typical farm with its produce and a typical family dinner, interspersed with a panoramic view of Norman industries, and a trip to Paris.	1	387	French	J-A	120.00	39	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
✓ 626.9	Vacant Lot (color) _____ Treats broadly the ecology of the vacant lot so essential ecological principles may be easily related to similar areas in other regions. Studies in-terrelationships of wild flowers, plant eating in-sects, amphibians, rep-tiles, mammals, song birds and common weeds.	2	750	Sci.	CLC J-A	205.00	57.8	67
627.21	Valley Forge _____ A fateful meeting of G. Washington and his staff at Valley Forge. Christ-mastime 1777 is recreated in this film in period cos-tume set. Film states why this country fought the Revol. War & reaffirms what this country stands for.	1½	504	Soc. St.	J-A-V	70.00	62.5	67
627.3	Valley of the Tennessee ____	2½	1062	Soc. St.	J-A	28.54	71	67
627.33	Valleys (The Primary Geography Series) _____ Snows unusual valleys and explains their forma-tion; how man has made use of valleys: the high mountain valleys are used as passes; dry valleys are turned into rich farm areas thru irrigation, rich fertile valleys produce food.	1	370	Soc. St.	E	55.00	53	66
✓ 627.35	Vamos a Colombia (color) Geographic regions of the country located on a map, followed by pictorial de-scription of agricultural activities, industries and transportation of each region. Views of rural and city life as well as those of national historic monuments.	1	393	Spanish	A	125 110.00	57.8	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
627.355	Vamos A Cuba A glimpse of pre-Castro Cuba, describing manifold aspects of Cuban life: modern cities, historical landmarks, natural vegetation, schools, cathedrals and public buildings.	1	424	Span	A	125.00	57.8	67
627.36	Vamos a Guatemala (color) Views of the country, relic of Mayan civilization, buildings of early colonial period; scenes of agricultural life: handicrafts; views of the capital.	1	780	Spanish	A	²³⁰ 210.00	57.8	63
627.37	Vamos al Peru Pt. I (color) Views of various geographical regions of Peru, archeological remains, agricultural occupations, means of transportation and life in cities.	1	411	Spanish	A	¹²⁵ 110.00	57.8	63
627.38	Vamos al Lima Pt. II (color) Views of a pageant commemorating the conquest of Peru. Views of beautiful buildings, plazas, monuments in the city. Scenes of typical city life.	1	400	Spanish	A	¹²⁵ 110.00	57.8	63
627.39	Vistas de Andalucia (color) Shows the highlights of the main cities of Andalucia, Sevilla, Arcos, Cadiz, Cordoba, Granada.	1	400	Spanish	A-J	¹²⁵ 110.00	57.8	63
627.391	Vandalism	1	380	Guid.	9-12	60.00	26	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
627.392	Vandalism (color) Teenagers out for "fun" get into trouble with the police and are booked as delinquents. Points up the fact that what may start as an innocent joke may lead to more serious incidents.	1	380	Par. Ed.	9-12	120.00	26	64
627.4	Vectors Vectors are demonstrated in a classroom. Rubber models used to show vector displacement in two & three dimensions. Vector addition, scalar multiplication of a vector and other concepts introduced.	2½	1008	Sci.	CLC A	150.00**	62.85	67
627.5	Venezuela Overview of Venezuela illustrating several of its industries, such as, the harvesting of sugar cane, mining, and commerce.	1	337	Soc. St.	E-J-A	40.00	39	67
630.6	Venice: Queen City of the Adriatic (color)	1	390	Soc. St.	E-J J-A	120.00	39	67
632	Very Small, The	3	1080	Sci.	CLC J-A	150.00	62.5	66
632.1	Very Small, The (color)..... Introduction to the field of microbiology. Suited for junior high school general science and high school biology courses.	3	1080	Sci.	CLC J-A	300.00	62.5	66
634.25	Vibrations	1¼	500	Sci.	Gr. 3-6	75.00	39	67
634.251	Vibrations (color) In this film we see familiar and unfamiliar objects in the state of vibration. A doorbell, and how it works, the pendulum of a clock, the girl in a swing, tuning forks, the strings of a guitar.	1¼	500	Sci.	Gr. 3-6	150.00	39	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
634.32	Victory Over Polio The story of one of the greatest triumphs in medical history and the vital part played in it by Dr. Jonas E. Salk, the man who discovered the vaccine.	2½	972	Sci. Soc. St.	A	135.00	62.5	65
634.33	La Vida De La Comunidad Espanola (color) (Spanish edition of Spanish Community Life.) This is the story of a farm family near Madrid. The film tells how the farmers now live in the village but still go out to work in the surrounding fields each day.	2	530	Spanish	A-Ad	150.00	3	67
634.35	Vikings and Their Explorations, The	1	400	Soc. St.	J-A-V	60.00	24.1	64
634.36	Vikings and Their Explorations, The (color) The story of the Norsemen is recreated. Home life, manners, dress and the various explorations are shown. Leif Ericson's voyage of discovery is re-enacted.	1	400	Soc. St.	J-A-V	110.00	24.1	64
634.4	Vikings, The—Life and Conquests	1½	606	Soc. St.	J-A	120.00	39	65
634.41	Vikings, The—Life and Conquests (color) Recreates the spirit and mood of Viking life, following them as they raid, conquer, trade, and discover.	1½	606	Soc. St.	J-A	240.00	39	65
634.46	Village of Spain	2	800	Soc. St.	E-J	115.00	21.4	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
634.47	Village of Spain (color) ——— To the occasional under- tone of a Spanish song and accompanied by the narration of a native of Spain, we see life in a coastal town of Spain. This town is called Mijas.	2	800	Soc. St.	E-J	210.00	21.4	67
634.48	Village of Switzerland.....	1½	600	Soc. St.	J-A-V	90.00	21.4	65
634.49	Village of Switzerland (color) Intimate sights and sounds of a small tour in the Alps including the Milch Centrale, school room study of the region's economy, shopping, meal- time with the family, meeting Ursula's fiance at a livestock fair; a citizen's arms inspection and a town meeting.	1½	600	Soc. St.	J-A-V	165.00	21.4	65
634.5	Villages In The Sky	1	450	Soc. St.	E	110.00	1.6	64
634.6	Virgin Islands, U.S.A. Waterfront and market activities in our only duty free port. Native flora and fauna, native folklore. Calypso band (steel band). Sugar Cane grow- ing. Tropical splendor.	1	400	Soc. St.	E-J	110.00**	27.2	64
634.9	Virus	3	1080	Sci., Tch. Tr.	A	150.00	62.5	66
634.91	Virus (color) Forms of viruses involv- ing both plants and ani- mals. Electron-microscope photography, methods and history of virus research. Bacteriophage, DNA, use in medicine discussed.	3	1080	Sci., Tch. Tr.	A	300.00	62.5	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
634.95	Virus: The Stuff Of Life... A TV lecture which by means of models, cine-photography, animated diagrams, and time lapse photography elucidates cell organization, activity and reproduction. The major part is devoted to contribution of virus research to understanding reproduction and heredity.	3	1065	Biology	A	125.00	57.3	67
635	Visages De La Ville Lumiere Part IV of ACCENT AIGU series. Shows the famous landmarks of Paris; views of streets, buildings and famous places.	2¼	900	French	A-V	110.00	46.5	66
635.7	Visit to the Waterworks, A	1	392	Sci.	E-J	60.00	39	67
635.71	Visit to The Waterworks, A (color) A class visits the water works, learns about sources of water, its treatment, etc.	1	394	Sci.	E-J	120.00	39	67
636.1	Visitemos A Puerto Rico..... Puerto Rico's location, population, racial heritage, geography and topography is depicted. Sequences show San Juan and other major cities and the lingering influence of Spanish Tradition mixed with the modern developments in education public health and industry.	2	510	Span.	A	185.00	57.8	67
637	Voice of The Insect, The... Study of insect communication. Man's ability to imitate significant sounds of the insect and motivate them.	3	962	Sci.	A	135.00	20.5	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
637.5	Volcano The mystery of volcanoes is explored. In the process, some of the world's largest volcanoes such as Moana Loa, Fujijama, Vesuvius and Mt. Etna are shown.	1½	650	Sci.	J-A	90.00	85	66
638	Volcanoes in Action	1	390	Earth Sci.	A-V	60.00	39	64
639	Volley Ball for Boys	1	400	Health Ed.	J-A-V	50.00	24.1	66
639.1	Volleyball Strategy for Girls Animation and slow motion are used to analyze such basic skills as overhand, volley, spiking, underhand volley, blocking and serving.	1	400	Health Ed.	E-J-A-V	50.00	62.5	63
639.11	Volleyball Techniques for Girls A presentation of techniques.	1	400	Health Ed.	E-J-A-V	50.00	62.5	63
640	Volumes of Cubes, Prisms, and Cylinders	2	750	Math.	J-A-V	75.00	27.3	65
640.1	Volumes of Cubes, Prisms, and Cylinders (color)..... Art, animation, and model demonstrations help develop formulas for finding volumes and areas of solids. Live footage shows use of these formulas in practical situations.	2	750	Math.	J-A-V	150.00	27.3	65
640.2	Volumes of Pyramids, Cones and Spheres	1½	670	Math.	A-V	75.30	27.3	66
640.21	Volumes of Pyramids, Cones and Spheres (color) Animation and live action are used to develop basic formulas and show applications in every day practice for measuring volumes of pyramids, cones and spheres.	1½	670	Math.	A-V	150.30	27.3	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
✓ 641	Wales _____ Shows the location, resources, industries, scenic views and pictures of life in the highlands and lowlands of Wales.	1½	605	Soc. St.	E	90.00	57.8	64
641.5	Wanderers of the Desert (color) _____	1	352	Sci.	E-J	120.00	39	64
642.2	War In China: 1932-1945 ... Documented story of the long and epic struggle by the Chinese people to resist Japanese aggression and invasion in the years preceding World War II.	2½	972	Soc. St.	A	135.00	62.5	65
642.41	War of 1812 _____	1¼	500	Soc. St.	J-A-V	75.00	24.1	64
642.42	War of 1812 (color) _____ Through the eyes of an American Seaman the film shows the reasons for and the major action in the War of 1812.	1¼	500	Soc. St.	J-A-V	137.50	24.1	64
642.5	Warp and Weft (color) ____ Demonstrates the process of weaving and points out the opportunity it affords for pleasure and self expression.	1	382	Art	J-A-V	100.00	64	67
642.7	Warriors at Peace _____	1	450	Soc. St.	E	110.00	1.6	64
642.8	Washington, George _____	2	654	Soc. St.	E-J-A-V	120.00	39	66
642.9	Washington Crosses the Delaware _____ A film of Washington's crossing of the Delaware and the difficulties and problems encountered. "You Are There" T.V. presentation.	2½	1000	Soc. St.	5-9	135.00	62.5	63
643.3	Washington, D.C. _____	1	400	Soc. St.	E	60.00	24.1	67
643.31	Washington, D.C. (color) _____ Views of Washington D.C.	1	400	Soc. St.	E	110.00	24.1	67
644.3	Washington Square _____ Life on Washington Square in the late 1800's.	2	800	Lang. Arts	A-V	60.00***	87	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued								
644.4	Washington's Farewell To His Officers _____ The CBS TV program showing General George Washington saying farewell to his officers at Fraunces Tavern, New York City.	2½	1000	Soc. St.	J-A-V	135.00	62.5	64
644.45	Watch on the Ruhr, Pts. I and II _____ Study of Germany, exploring the reasons behind the amazing German industrial comeback and seeks answer to critical question, "Can we trust the Germans?"	5	1980	Soc. St.	A	225.00	62.5	64
644.51	Watch That Quotation _____	1	400	Lang. Arts	J	60.00	24.1	66
644.52	Watch That Quotation (color) _____	1	400	Lang. Arts	J	110.00	24.1	66
644.9	Water _____	1	349	Science	E	55.00	53	66
644.91	Water _____	1	339	Sci. S.S.	E-J	19.76	71	67
645.1	Water Birds _____ The physical characteristics of the typical water birds found in the United States are depicted. Animated maps show the migration trails of these birds.	1	388	Sci.-Bio.	J-A-V	60.00	39	67
645.2	Water Cycle _____	1	387	Sci.	E-J	60.00	39	67
645.5	Water Famine, The _____ A global report of the problems man faces to control and purify and preserve the waters of the world. Desalinization process is demonstrated.	6	1941	Science Health Soc. St.	J-A-V	250.00	20.5	67
645.7	Water for Dry Lands—S. W. _____	2	750	Soc. St.	E-J	110.00	89	65
645.9	Water for the Community	1	400	Sci.	E-J	60.00	24.1	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
645.91	Water for the Community (color) Follows the process by which water is treated from the time it leaves its original source until it is purified and distributed to the community.	1	400	Sci.	E-J	110.00	24.1	64
646.3	Water In The Weather	1½	600	Sci.	4-6	90.40	1.11	66
646.31	Water In The Weather (color) Heat from the Sun, the Earth's atmosphere, land and water areas all work together as weather makers. Evaporation, condensation, the water cycle, cloud types, rain hail and show are explained by animation and live photography.	1½	600	Sci.	4-6	165.40	1.11	66
646.8	Water, Lifeblood of the West Stresses the importance of water in building the West and shows how western rivers work when harnessed. Maps Bureau of Reclamation projects. Explains multiple purpose of dams.	1	450	Soc. St.	6-9	110.00	1.6	64
647	Water People, The (Hong Kong) Shows life of a typical family abroad their sampan home amid the crowded, thriving harbor of Hong Kong.	1	400	Soc. St.	E-J	55.00	89	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
647.4	Water Pets Divers feed fish at California's Marineland Oceanarium. Trained porpoises at Florida's Marineland . . . jumping through hoops, fetching like retriever dogs, towing a surfboard. Feeding whales.	1	180	Sci.	K-6	25.00	72.3	66
647.8	Water Safety	1	400	Health Ed.	E-J-A-V	57.50	62.5	64
647.9	Water Water Everywhere	1	400	Sci.	E	60.00	24.1	63
647.91	Water Water Everywhere (color) By means of many visual experiences familiar to children such as plants growing near water, an animal drinking water, rain puddles disappearing, the basic principles concerning water are developed.	1	400	Sci.	E	110.00	24.1	63
648	Water We Drink, The	1	400	Health Ed. Soc. St.	E	60.00	24.1	63
648.1	Water We Drink, The (color)	1	400	Health Ed. Soc. St.	E	110.00	24.1	63
648.4	Watercolor Landscape The three basic techniques of watercolor — wet-into-wet, wash, and dry brush — are demonstrated by Rex Brandt, A.N.A., and illustrated by works of Oriental, European, and American watercolorists.	2	830	Art	A	235.00	1.12	66
648.5	Waterfall Wonders Waterfalls in the Yosemite Valley of California. Niagara Falls . . . erosion causes tons of rocks to slide down from her crest and hurtle to the base of the falls. High winds.	1	250	Sci.	J-A	35.00	72.3	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
648.55	Waves and Energy _____	1½	510	Sci.	Gr. 9 Unit 2	75.00	39	67
648.551	Waves and Energy (color) The waves of water are first explored here, but waves of wind as caused by moving objects are also explained.	1½	510	Sci.	Grade 9 Unit 2	150.00	39	67
648.95	Way Stations In Space (color) _____ The complete step-by-step constructions, placement and operation of a space station or "way station" in orbit about a thousand miles above the earth's surface is demonstrated. How such a way station can be used in space exploration is explained.	1½	470	Sci.	A	135.00	89	66
649.11	Ways to Better Conversation _____	1	400	Lang. Arts	J	60.00	24.1	66
649.12	Ways to Better Conversation (color) _____	1	400	Lang. Arts	J	110.00	24.1	66
649.31	Ways to Good Habits _____	1	400	Health Ed. Guid.	E-J	60.00	24.1	65
649.32	Ways to Good Habits (color) _____	1	400	Health Ed. Guid.	E-J	120.00	24.1	65
649.4	Ways To Learn _____ This film calls to the attention of young children some of the elements of scientific methods and attitudes.	1-1/3	486	Sci.	K-3	135.00	89	67
649.51	Ways to Settle Disputes _____	1	400	Soc. St.	E-J	60.00	24.1	65
649.52	Ways to Settle Disputes (color) _____	1	400	Soc. St.	E-J	120.00	24.1	65
649.6	We Discover Fractions _____	1	400	Math.	E	50.00	24.1	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
649.61	We Discover Fractions (color) Building a cabinet requires that one board be cut in half, another in quarters. Development of the meaning of $\frac{1}{4}$ and $\frac{1}{2}$ results. Similar treatment for thirds. Explanation and names of parts of a fraction given.	1	400	Math.	E	100.00	24.1	64
649.7	We Explore the Beach	1	400	Nat. Sci.	E	60.00	24.1	65
649.71	We Explore the Beach (color) At the beach — wind blows sand and water, birds, ship buoy, light-house, effects, of tide, sea shells, starfish, clam, horseshoe crab, fishing boat etc.	1	400	Nat. Sci.	E	120.00	24.1	65
649.715	We Explore The Field and Meadow	1	400	Sci.	Gr. 2-5	60.00	24.1	67
649.716	We Explore The Field and Meadow (color) On a bright, beautiful morning we take a walk into field and meadow with Wayne and Kathy; to see the plants and animals that live there.	1	400	Sci	Gr. 2-5	110.00	24.1	67
649.72	We Explore The Stream	1	400	Sci.	3-6	60.00	24.1	66
649.73	We Explore The Stream (color) Paul and Marcy explore stream near their home, observe many plants, birds, fish, and insects. Unusual close-ups.	1	400	Sci.	3-6	110.00	24.1	66
650.7	We Explore the Woodland	1	400	Sci.	E	60.00	24.1	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
650.71	We Explore the Woodland (color) A grandfather takes two children for a walk in the woods. They see and comment on various plants and animals, and use a book, a magnifying glass, and field glasses to aid in their observations of the woodland as a habitat for different living things.	1	400	Sci.	E	110.00	24.1	63
653.2	We Get Food From Plants and Animals Acquaints children with the fact that food comes from plants and animals. Tells about foods that come from roots, stems, seeds and fruit; and foods that come from other countries.	1	360	Sci.	3-6	65.00	62.5	66
653.21	We Get Food From Plants and Animals (color) Acquaints children with the fact that food comes from plants and animals. Tells about foods that come from roots, stems, seeds and fruit; and foods that come from other countries.	1	360	Sci.	3-6	130.00	62.5	66
653.51	We Go To School (color)	1	400	Guid.	E-J	60.00	24.1	65
653.52	We Go To School (color)	1	400	Guid.	E-J	120.00	24.1	65
653.6	We Plan Together	2	800	Tch. Tr.		75.59	18.5	66
653.7	We Play and Share Together	1	374	E.C.E.		60.00	3	66
653.8	We Use Power	1	400	Science	E	60.00	21.4	66
653.81	We Use Power (color) Traces the history of the use of power. Different ways of developing and using power are shown by means of simple models which are related to real power plants. Wind, water, steam, electricity, burning gases, are considered.	1	400	Science	E	110.00	21.4	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
654	We Very Much Regret Life in a refugee camp in Germany, based on the true experiences of its families.	1½	600	Soc. St.	A	30.00	24.04	65
654.3	Weather	1	365	Science	E	55.00	53	66
654.33	Weather Scientists (color) The weather factors and instruments used to measure these factors are explained. Describes how weather maps are constructed and then used in weather predictions.	1¾	470	Sci.	J	135.00	89	66
654.35	Weather Station, The A young boy and girl take a tour of a local weather station where they see the instruments and are told how weather is forecast, the importance of weather, etc.	1	400	Science	E-J	60.00	62.5	67
654.5	Weather Wizards	1	400	Gen. Sci.	A	30.00***	87	64
654.51	Weather Wizards Instruments and methods employed by the modern weather man.	1	360	Sci.	J-A	60.00***	39	66
655.1	Web of Life—A Strand Breaks (color)	1½	587	Science	A	180.00	39	66
655.11	Web of Life—The Strand Grows (color)	1½	519	Science	A	180.00	39	66
655.2	Webster, Daniel	1	637	Soc. St.	J	120.00	39	66
655.5	Weight Training Training with weights is a recent and valuable addition to the physical ed. program. Nine basic exercises in wt. training are demonstrated and explained. The correct techniques are emphasized.	1	360	Health	A-V	110.00	36.85	66
656.1	West Indies: Geography of the Americas	1	400	Soc. St.	E-J	60.00	24.1	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
656.11	West Indies: Geography of The Americas (color) — Shows life in the high-lands and on the low-lands. Emphasizes geographic factors.	1	400	Soc. St.	E-J	110.00	24.1	63
656.6	Western Europe	1	400	Soc. St.	J-A-V	60.00	24.1	65
656.61	Western Europe (color) — Gives overview of geographic factors as they affect the economic development of various regions of Europe.	1	400	Soc. St.	J-A-V	120.00	24.1	65
656.7	Western Germany—The Land and the People	1	400	Soc. St.	E-J	60.00	24.1	65
656.71	Western Germany—The Land and the People (color) Presents the rapid economic and industrial development of post war Germany as well as some of the problems faced in the unification of Germany.	1	400	Soc. St.	E-J	120.00	24.1	65
656.9	Western Wheat	2¼	895	Soc. St.	6-9	110.00	64	65
656.91	Western Wheat (color) The drama of the wheat harvest as seen on millions of western acres, from harvest to export (with sequence on bread-making).	2¼	895	Soc. St.	6-9	220.00	64	65
657	Western Wonderland Shows present day activities in the scenic National Parks such as Indian dances, trips into the Canyon by donkey and lectures.	1	400	Soc. St.	E-J-A-V	30.00***	87	67
657.23	Westward Growth of Our Nation	1	400	Soc. St.	5-9	60.00	24.1	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
657.24	Westward Growth of Our Nation (color) This is the story of United States expansion from the Mississippi to the Pacific, of the struggles and conflicts, of the treaties signed, and of the brave pioneers who explored and settled the West.	1	400	Soc. St.	5-9	120.00	24.1	65
657.245	What About Alcoholism Discusses the nature and problems of alcoholism designed to stimulate thoughtful discussions of the nature, causes and treatment of this social ill.	1	396	Guid. H. Ed.	A	60.00	62.5	67
657.25	What About Drinking? A group of high school students at a party discuss their attitudes toward social drinking. Opinions of various people are presented and film ends with question proposed to group "What do you think about drinking?"	1	385	Guid.	A-V	60.00	62.5	65
657.301	What About Juvenile Delinquency The vivid portrayal of an act of juvenile delinquency common in today's headlines, designed to stimulate group discussion of the problems of Juvenile Court.	1	432	Guid.	J-A-V	60.00	62.5	67
657.31	What About Prejudice Discusses the nature and problems of prejudice designed to stimulate thoughtful discussions of the nature, causes and treatment of this social ill.	1	432	Guid.	J-A	70.00	62.5	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
657.311	What About Prejudice (color) Examines the damage done by a group to a classmate because of prejudice (largely directed against parental origin), and shows the individual's emotional reactions when, under the impact of an emergency, he is forced to self-examination.	1	432	Guid.	J-A	140.00	62.5	65
657.32	What Are Fractions?	1	400	Math.	E	55.00	39	64
657.351	What Are Stars Made Of (color) Presents a comprehensive picture of the methods and tools the astronomer uses to learn about the stars in the universe.	1½	570	Sci.	A-V	175.00	57.8	66
657.36	What Are Things Made Of?	1	400	Sci.	6-9	60.00	24.1	66
657.361	What Are Things Made Of? (color) Film defines matter and its three estates; solid, liquid, and gas. We differentiate between elements and compounds, see how matter can be changed.	1	400	Sci.	6-9	110.00	24.1	66
657.37	What is Art? (color) Good introduction to basic art factors such as line, form, color, etc., as indicated in art course of study, paralleling it in a simple, clear and well motivated fashion.	¾	211	Art	E-J	60.00	39	65
657.4	What Is A Reptile	1¾	550	Bio.	CLC	120.00	39	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
657.401	What Is A Reptile (color) Portrays the five orders of reptiles with description of their physical characteristics, reproduction of their physical processes, and other habits.	1½	550	Bio.	CLC	240.00	39	67
657.41	What is Business?	1	400	Bus. Tr. El. Book	A-V	50.00	24.1	65
657.42	What is Business (color)	1	400	Bus. Tr.	A-V	120.00	24.1	65
657.43	What is Cloth	1	400	Home Eco.	A-V	50.00	24.1	64
657.44	What is Cloth (color)	1	400	Home Eco.	A-V	100.00	24.1	64
657.61	What is A Contract?	1	400	Com. Law	A-V	50.00	24.1	65
657.62	What is A Contract? (color)	1	400	Com. Law	A-V	120.00	24.1	65
657.66	What is A Corporation? ..	1	400	Comm. Soc. St.	A-V	60.00	24.1	65
657.67	What is A Corporation? (color)	1	400	Comm. Soc. St.	A-V	120.00	24.1	65
657.9	What Is Electric Current	1½	498	Sci.	Gr. 8 Unit 3	75.00	39	67
657.91	What Is Electric Current (color)	1½	498	Sci.	Gr. 8 Unit 3	150.00	39	67
	An electroscope and how it is used to indicate electric current is used to demonstrate the various means of current available to man.							
658.41	What is Money	1	400	Soc. St.	J-A-V	50.00	24.1	63
658.42	What is Money (color) How money functions in various transactions, and the evolution of our monetary system from the days of primitive barter.	1	400	Soc. St.	J-A-V	100.00	24.1	63
658.43	What the Frost Does	1	400	Lang. Arts	E-C-E	60.00	24.1	64
658.44	What the Frost Does (color)	1	400	Lang. Arts	E-C-E	110.00	24.1	64
659.4	What is Science	1	400	Sci.	E-J	60.00	24.1	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr	†
659.5	What is Science (color) —	1	400	Sci.	E-J	110.00	24.1	64
659.51	What is Soil —————	1	417	Sci.	E-J	54.00	39	63
659.71	What Is Sound ————— This film gives an elementary discussion of the nature, source and transmission of sound waves.	1	396	Sci.	3-4	60.00	62.5	67
659.75	What Is Uniform Motion	1½	500	Sci.	Gr. 7 Unit 2	75.00	39	67
659.751	What Is Uniform Motion (color) ————— A jet plane, a car, roller skates, the human cannon ball at a county fair and a rocket traveling in outer space all show how motion is achieved.	1½	500	Sci.	Gr. 7 Unit 2	150.00	39	57
659.9	What Makes A Desert ——— Explains the geographic & climatic factors that create a desert area. Discusses such factors as mountain barriers, prevailing winds, etc. Also points how desert land can be reclaimed by irrigation.	1	432	Sci.	5-6	60.00	62.5	67
660	What Makes Day & Night	¾	300	Science	E	60.00	62.5	67
660.51	What Makes A Good Party? —————	1	400	Home Eco.	J-A-V	60.00	24.1	66
660.52	What Makes A Good Party? (color) —————	1	400	Home Eco.	J-A-V	110.00	24.1	66
661	What Makes Rain? —————	1	354	Science	E	60.00	62.5	67
661.3	What Makes Us Grow? ——— A discussion of child nutrition and the importance of a well-balanced diet to health and growth.	1	320	Health Ed.	E	50.00	64	65
661.4	What To Do On A Date —	1	400	Guid. Home Eco.	J-A-V	60.00	24.1	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
661.41	What To Do On A Date (color) _____	1	400	Guid. Home Eco.	J-A-V	110.00	24.1	63
661.45	What Do Fathers Do _____	1	400	Soc. St.	E	50.00	21.4	64
661.46	What Do Fathers Do (color) _____ A child follows his father through a day at work.	1	400	Lang. Art- Guid.	E	100.00	21.4	64
661.5	What Do We See in The Sky _____	1	400	Sci.	E	60.00	24.1	63
661.51	What Do We See in The Sky (color) _____ Freddie's curiosity about things he sees in the sky leads him to learn about the sun, moon, planets, stars and constellations.	1	400	Sci.	E	110.00	24.1	63
661.6	What Made Sammy Speed	1	384	Driver Ed.	A-V	60.00	26	64
661.61	What Made Sammy Speed (color) _____ Shows a possible analysis of "smart aleck" attitude, resulting in reckless driv- ing, excessive speed and mimicry of fathers' poor driving habits. It is based on the report of the in- vestigation by a juvenile officer.	1	384	Driver Ed.	A-V	120.00	26	64
662	What Our Town Does For Us _____	1	400	Soc. St.	E	60.00	24.1	63
662.1	What Our Town Does For Us. (color) _____ Billy learns how com- munity governments are organized and how taxes are used to support the government.	1	400	Soc. St.	E	110.00	24.1	63
662.2	What Plants Need For Growth _____	1	400	Sci.	3-6	60.00	39	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
662.21	What Plants Need For Growth (color) _____ Time-lapse photography is used to develop appreciation of the marvels of plant growth. Simple laboratory experiments are performed to illustrate the basic needs of plants.	1	400	Sci.	3-6	120.00	39	65
662.3	What Time Is It? _____	1	400	Math.	E	60.00	24.1	64
662.31	What Time Is It? (color) _____ Develops technique of reading time on a clock. First the meaning of the hour hand in each position is developed, then uses the minute hand to identify the quarter hours. Film gives some opportunity for children to participate. Concludes with discussion of counting by fives to use the minute hand and a mention of the calendar as a time telling device.	1	400	Math.	E	110.00	24.1	64
662.5	Whatever The Weather — Weather experiences and facts are explained in this introduction to wind, rain, snow and sun. The children portray a sensitive response to their environment.	1	360	Sci.	K	110.00	36.85	66
662.55	What's Alive _____	1	372	Sci.	Gr. 3 & 6	60.00	43	67
662.551	What's Alive (color) _____ Helps the student toward an understanding of the activities that distinguish living from non-living things.	1	372	Sci.	Gr. 3 & 6	115.00	43	67
662.6	What's Inside The Earth.....	1¼	495	Sci.	5-9	70.00	43	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
662.61	What's Inside The Earth (color) _____ Film explores the interior of the earth, indicating and illustrating the methods men use to determine the earth's structure.	1½	495	Sci.	5-9	135.00	43	65
662.7	"What's So Important About A Wheel?" _____	1	349	Sci.	3-6	47.50**	59.5	65
662.71	"What's So Important About A Wheel?" (color) _____ Describes the basic scientific importance of the wheel, the relationship of the wheel to man's progress—and challenges students to observe wheels more keenly.	1	349	Sci.	3-6	95.00**	59.5	65
662.75	What's The Angle? _____ Goes back to ancient times to explain the fundamental concepts of plane and solid geometry. How this science was used and developed by the Egyptians, Chinese and Greeks and its use today in architecture, construction, surveying and navigation.	3	1100	Math.	J-A	150.00	1.3	67
662.8	What's Under The Ocean	1½	510	Sci.	5-6	70.00	43	66
662.81	What's Under The Ocean (color) _____ Study of plants and animals in shallow depths and on deepest ocean floor. Use of instruments on research ships to study bottom materials and to map vast areas of ocean bottom.	1½	510	Sci.	5-6	140.00	43	66
663	Wheat Country (Prairies Of Canada) _____	2	400	Soc. St.	J-A	120.00	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
663.01	Wheat Country (Prairies of Canada) (color) Describes problems of wheat farming and changes in methods over a period of years.	2	400	Soc. St.	J-A	240.00	39	66
663.1	Wheat Farmer, The (2nd Ed.)	1½	487	Soc. St.	E-J-A-V	75.00	39	67
663.11	Wheat Farmer, The (2nd Ed.) (color) Depicts life of a wheat farmer and his family; various machines and their work in planting, raising and harvesting wheat are shown; importance of weather.	1½	499	Soc. St.	E-J-A-V	150.00	39	67
664	Wheat Rust	1½	500	Bio.	A-V, C-L-C	75.00	39	65
664.1	Wheat Rust (color) Provides basis for understanding the complex life history of a parasitic plant—in this case, stem rust of wheat, the fungus which must live on two host plants. How man works to control this.	1½	500	Bio.	C-L-C A-V,	150.00	39	65
665.9	Wheel & Axle & Pulley Film opens with statement that there are in all six basic types of machine. The first three machines defined are the lever, wheel and axle and the pulley. Each machine is defined in terms of the lever. Concept of force, resistance, and movement arm adequately defined and illustrated with applications to everyday living.	1	420	Sci.	J-V	55.00**	62.5	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
666	Wheelock, John Hall Distinguished American poet and editor, talks about his writings and views on literature at his home on the Atlantic shore of Long Island.	2½	1050	Lang. Art	A	150.00	39	64
666.03	When Better Bricks Are Made Shows the manufacturing processes used in making of glazed brick and tile in the plant.	2½	955	Voc. Ind. Arts	7-9	165.00	20.4	65
666.05	When Mountains Move The remote villages of the Andes are brought together by the use of the radio and a UNESCO team.	1	387	Soc. St.	E-J-A-V	60.00	39	64
666.2	When Should I Marry Intended to stimulate discussion on problem of early marriage and question of when a couple is ready to assume the responsibilities of marriage.	1½	716	Guid. T.T.	Parents	115.00	62.5	63
666.3	Where Do Our Letters Go	1	400	Soc. St.	E	60.00	24.1	66
666.31	Where Do Our Letters Go (color) Helps understand postal system through following party invitations. Brings in airmail and special delivery when Jerry gets a present from his aunt.	1	400	Soc. St.	E	110.00	24.1	66
666.34	Where Does Our Food Come From	1	400	Soc. St.	E	60.00	24.1	67
666.35	Where Does Our Food Come From (color) Ice cream, bacon, fruits are considered from the source of production to the retail store.	1	400	Soc. St.	E	110.00	24.1	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
666.37	Where Does Our Meat Come From?	1	400	Soc. St.	E	60.00	24.1	66
666.371	Where Does Our Meat Come From? (color)	1	400	Soc. St.	E	110.00	24.1	66
	Wes and Emily visit Uncle Phil's farm, learn where story of meat begins. Film carries story through to local market.							
666.5	Where There's Smoke	1	383	Safety	E-J-A-V	60.00	26	64
666.51	Where There's Smoke (color)	1	383	Safety	E-J-A-V	120.00	26	64
	Deals with fire prevention and safety in the home, pointing out common causes of fire. It stresses the importance of calling the fire department immediately instead of trying first to put the fire out alone. Also points out the co-operation given by the Police Dept.							
666.8	Which Way?	1	360	Math.	3-6	50.00	57.3	65
666.81	Which Way? (color)	1	360	Math.	3-6	100.00	57.3	65
	Which Way teaches children about cardinal directions—north, south, east, west, up, down. Explains relative directions such as left, right, forward, backward. Suggests experiments for children to do concerning shadows created by the Sun.							
666.82	Which Way Is North	1½	500	Soc. St.	E	75.00	39	67
666.821	Which Way Is North (color)	1½	500	Soc. St.	E	150.00	39	67
	Reveals the importance of direction finding, and with emphasis on the compass, explains methods of locating north.							

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
666.85	White Blood Cells The defense against disease by White blood cells. Film shows excellent sequences of the membrane action during the phagocytosis of a Tubercle bacillus and the engulfing of a monocyte.	1	432	Biology	A	70.00	62.5	67
667	White House, The The home of America's presidents while in office. Rare old prints of White House as it was in 1800 when John Adams occupied. Live tour of today's building.	1	180	Soc. St.	E-J-A-V	25.00	72.3	65
667.221	The White House: Past and Present	1½	500	Soc. St.	5-9 Adv. Ed.	75.00	24.1	66
667.222	The White House: Past and Present (color) Camera shows famous rooms and offices seldom seen by public. From original plans to mansion of today, film traces story of this world-famous building.	1½	500	Soc. St.	5-9 Adv. Ed.	137.50	24.1	66
667.23	White House Story, Pt. I..... A study of the White House and its presidential families. Here are weddings, births, galas, politics. Part I — 1790-1881 — First plans of the White House through President Garfield's assassination.	2½	900	Soc. St.	E-J-A-V	110.00	85	66
667.231	White House Story, Pt. II A study of the White House and its presidential families. Part II — 1885-1961 — From President Cleveland's administration to President Kennedy's inauguration.	2	790	Soc. St.	E-J-A-V	110.00	85	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
667.25	White Splendor (color) —	1	415	Sci.	E-J-A	100.00	73.02	65
	The story of the egret, its life history, its use as a source of decorative feathers, its near extinction by hunters, the passing of laws to save it, its gradual recovery, its present danger.							
667.27	Whitman, Walt — Background for His Works...	1½	500	Lang. Art	A-V	75.00	24.1	64
667.28	Whitman, Walt—Background for His Works (color)	1½	500	Lang. Art	A-V	137.50	24.1	64
	The various periods in Whitman's life and their effects on his works are outlined.							
667.29	Whitney, Eli	1½	652	Soc. St.	E-J-A-V	120.00	39	67
667.3	Whittier, John Greenleaf ...	2	621	English	J	120.00	39	66
667.31	Who Are The People of America	1	400	Soc. St.	E-J	60.00	24.1	63
667.32	Who Are the People of America (color)	1	400	Soc. St.	E-J	110.00	24.1	63
✓ 667.325	Who Is Pete?	3	940	Guid.	T.T. P.T. Ed.	140.00	57.8	67
✓ 667.326	Who Is Pete? (color)	3	940	Guid.	T.T. P.T. Ed.	245.00	57.8	67
	Studies behavioral and educational facets of Pete, a typical sixth grader and reviews the testing program used to uncover his strengths and weaknesses. Shows a variety of tests in use with students of different levels.							
667.34	Who Makes Words	1	400	Lang. Arts	E	50.00	24.1	64
667.341	Who Makes Words (color)	1	400	Lang. Arts	E	100.00	24.1	64
667.4	Who Should Decide? (Areas of Parental Authority)	1	400	Guid.	J-A	60.00	24.1	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
667.41	Who Should Decide? (Areas of Parental Authority) (color)	1	400	Guid.	J-A	110.00	24.1	64
	Deals with some typical problems faced by teenagers, such as choice of friends, use of money, manner of dress, chores around house, and time for returning home. Raises questions concerning areas and degree of parental influence.							
667.505	Who's Running Things	1	216	Guid. Soc. St.	A-V	45.00	62.5	67
	After a leader is elected, can those who chose him justifiably override his authority. The boys in a high school class want to know this when their elected leader penalizes them.							
667.511	Whoever Controls the Seas	1	450	Soc. St.	J-A-V	70.00	73.02	64
	A brief story of U.S. and world naval history as told through pictures, news films and commemorative stamp issues. Robert Trout narrates.							
667.52	Wholesale Produce Market Pt. I	1½	700	Soc. St.	E-J	88.00	1.11	64
667.53	Wholesale Produce Market Pt. 1 (color)	1½	700	Soc. St.	E-J	175.00	1.11	64
667.54	Wholesale Produce Market Pt. 2	1½	600	Soc. St.	E-J	63.00	1.11	64
667.55	Wholesale Produce Market Pt. 2 (color)	1½	600	Soc. St.	E-J	125.50	1.11	64
667.58	Why Foods Spoil	1½	494	Health Ed.	E-J	75.00	39	63
667.59	Why Foods Spoil (color)	1½	494	Health Ed.	E-J	150.00	39	63
	Molds, yeast and bacteria cause food spoilage.							

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
667.61	Why Korea Explains, by tracing the history of aggression since 1931, why the U.S. supported the U.N. action in Korea.	3	1200	Soc. St.	J-A-V	90.00***	87	63
667.62	Why Punctuate?	1	378	Lang. Arts	A-V	57.50	62.5	64
667.63	Why Seasons Change Explains how tilt of earth shortens and lengthens days; travel of earth around sun, etc. Follows orbit of earth through a complete year.	1	400	Sci.	5-6	60.00	39	66
667.64	Why Study Industrial Arts How industrial arts is useful as a vocation or avocation or simply background for successful living.	1	386	Ind. Arts	J-A-V	60.00	62.5	67
667.66	Why Study Latin	1	400	Guid.	J-A	60.00	24.1	67
667.661	Why Study Latin (color)	1	400	Guid.	J-A	110.00	24.1	67
667.71	Why Study a Foreign Language	1	400	Guidance	E-J	60.00	24.1	65
667.72	Why Study a Foreign Language (color)	1	400	Guidance	E-J	120.00	24.1	65
667.73	Why We Respect The Law	1½	500	Soc. St.	J	75.00	24.1	66
667.74	Why We Respect The Law (color)	1½	500	Soc. St.	J	137.50	24.1	66
668.1	Wild Animal Families	1	377	Sci.	E	50.00	43	63
668.11	Wild Animal Families (color) A series of pictures of some northern American animal families in their environments depicting their homes, eating habits and general living conditions. Bisons, antelopes, prairie dogs, porcupine, elk, canada geese are shown.	1	377	Sci.	E	100.00	43	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
668.3	Wildlife of The Rocky Mountains (color) _____ Shows birds and mammals in their natural surroundings amid the peaks, rivers, lakes and valleys of the Rockies.	1	325	Sci.	3-6	80.00	64	64
668.35	William Penn and The Quakers _____	1	400	Soc. St.	7-9	60.00	24.1	65
668.36	William Penn and The Quakers (color) _____ The Quakers' struggle for freedom of worship in 17th century England sets the background for this story of the establishment of Pennsylvania. Ample opportunity for trade, industry, and agriculture helped Pennsylvania develop into a political, economic, and cultural leader among the colonies.	1	400	Soc. St.	7-9	120.00	24.1	65
668.38	William Tell _____	1	400	Lang. Art	E-J-A-V	60.00	24.1	66
668.381	William Tell (color) _____ Animated film tells the classic legend of William Tell who must shoot an apple from his son's head to save the boy and himself.	1	400	Lang. Art	E-J-A-V	110.00	24.1	66
668.4	Williamsburg in The American Heritage _____ A background of early American history suitable for 7th and 8th year social studies classes. Stresses the roles of the Virginia patriots in our heritage. Film consists of a series of stills with narration.	2	800	Soc. St.	J	150.00	23	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
668.41	Williamsburg Restored Story of life in Williamsburg during the pre-revolution and revolutionary period. Portrays the passions and feelings of people in Colonial Williamsburg during pre-revolutionary times. The second portion of the film shows the various steps in the reconstruction of Williamsburg.	4	1600	Soc. St.	J	180.00	23	64
668.5	Williamsburg—The Story Of A Patriot An authentic and dramatic film about the events that led the American colonists to seek their natural rights through Revolution.	3	1275	Soc. St.	E-J-A-V	200.00**	23	65
668.55	Wilson's Fight For Peace The story of Wilson's trip to Europe to try to negotiate a just peace, and his losing fight on his return for the League of Nations.	3	1080	Soc. St.	A-V	135.00	62.5	67
668.58	Wind At Work Live action and animation shows what makes wind and what the wind does. Simple experiments show effect of warm and cold air. Examples of harmful and beneficial effects of the wind.	1	400	Sci.	3-6	110.00**	29	66
668.6	Winds and Their Causes.....	1	400	Earth Sci.	J-A-V	60.00	24.1	65
668.61	Winds and Their Causes (color)	1	400	Earth Sci.	J-A-V	120.00	24.1	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
668.8	Winged World Shows the work of the International Civil Aircraft Organization in standardizing air transportation procedures.	1	400	Sci.-S.S.	J-A-V	32.50	24.04	64
669	Winkie The Merry Go Round Horse Round Horse (color)	1	400	Lang. Arts	E	60.00	24.1	66
669.1	Winkie The Merry Go Round Horse (color) Boy's adventures on imaginative ride on merry go round horse to the old west, including cowboys, Indians and a stage coach.	1	400	Lang. Arts	E	110.00	24.1	66
669.5	Winning Our Independence	3	1200	Soc. St.	E-J-A	90.00***	87	64
669.51	Winter In Canada A classroom film about winter in Canada, showing its influence on the lives of the Canadian people generally and, in particular, on the activities of two boys.	1½	635	Soc. St.	4-6	90.00	64	65
669.53	Winter in Eskimoland Winter in Alaska (King Island) with the Eskimos and Father Hubbard, narrated by Lowell Thomas.	1	400	Soc. St.	E-J	30.00***	87	67
669.55	Winter is An Adventure.....	1	400	Sci.	E	60.00	24.1	65
669.56	Winter is An Adventure (color) A small boy visits a farm in winter; he sees trees, snow clouds, animals, preparing for winter, etc. Winter fun in the city too is shown.	1	400	Sci.	E	120.00	24.1	65
669.6	Winter on The Farm (color) (color)	1	388	Soc. St. Sci.	E	120.00	39	64
669.7	Wires To Our House Explains that the various wires leading into the house are channels for the transmission of power and communication.	2	510	Sci.	J	160.00	57.8	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
669.81	Wise Buying	1	400	Home Ec.	J-A	60.00	24.1	66
669.82	Wise Buying (color)	1	400	Home Ec.	J-A	110.00	24.1	66
669.9	Wise Use of Credit, The.....	1	439	Bus. Ed.	J-A-V	60.00	86.3	66
669.91	Wise Use of Credit, The (color) John and Judy learn basic knowledge of cost of cred- it and criteria for decid- ing how much credit to use and under what cir- cumstances to use it.	1	439	Bus. Ed.	J-A-V	120.00	86.3	66
670	Wise Use of Water Resources Illustrates concepts relat- ing to properties of water, its abundance, its value as a natural resource, its use for consumer supply.	1-1/3	486	Sci.	Unit 2 Gr. 7	135.00	89	67
670.1	Witness To An Accident	1	399	Health, Soc. St.	A-V	50.00	57.3	67
670.11	Witness To An Accident (color) Documents investigation and analysis by trained police officers. Orients viewer to proper proce- dure following an acci- dent and emphasizes proc- ess of thorough investi- gation by trained person- nel.	1	399	Health, Soc. St.	A-V	100.00	57.3	67
670.2	Wonder Engine of The Body	1	348	Health Ed.	J-A-V	50.00**	15	67
670.23	Wonder of Grasshoppers	1	465	Sci.	4-6	55.00	62.9	65
670.231	Wonder of Grasshoppers (color) Life cycle of the grass- hopper showing the basic physical structure and characteristics. Considers the basic physical struc- ture of all insects.	1	465	Sci.	4-6	105.00	62.9	65
670.24	Wonder of Reproduction	1	433	Sci.	Gr. 5	55.00	62.9	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
670.241	Wonder of Reproduction (color) _____	1	433	Sci.	Gr. 5	105.00	62.9	65
	Uncle Bob tells two children about the courtship, egg-laying, fertilization, and parental care of fish; using home aquaria which house the Siamese fighting fish and the Egyptian mouth-breeder.							
670.25	Wonder of Water _____	1	456	Sci.	6	55.00	62.9	64
670.26	Wonder of Water (color) _____	1	456	Sci.	6	105.00	62.9	64
	Water is H ₂ O. Composition of water is explained at a simple level and demonstrated via electrolysis of water. Uses of water to man are summarized—irrigation, food, power, cleanliness and sterilization, sports, cooking, refrigeration. Water is essential to life.							
670.35	Wonders In A Country Stream _____	1	400	Science	E	60.00	21.4	66
670.36	Wonders In A Country Stream (color) _____	1	400	Science	E	110.00	21.4	66
670.37	Wonders In The Desert _____	1	381	Sci.	E	50.00	21.4	64
670.38	Wonders In The Desert (color) _____	1	381	Sci.	E	100.00	21.4	64
670.5	Wonders In Your Own Backyard (color) _____	1	400	Sci.	E	100.00	21.4	64
670.51	Wonders of Our Body _____	1	402	Sci.	6	55.00	62.9	64
670.52	Wonders of Our Body (color) _____	1	402	Sci.	6	105.00	62.9	64
	A mechanic tells two boys some facts about the body. Animated drawings compare the eye with a camera. The ear, heart, and blood are also described briefly. Rules for good health are given.							

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
670.53	Wonders of The Sea ——— Describes the marine wonderland of the Great Barrier reef in Australia and the techniques of the deep-sea diver in exploring the ocean bottom.	1	400	Sci.	E	30.00***	87	67
670.54	Wood Finishing ————— Explains the common types of finishing materials used on wood, and demonstrates the procedures for each.	1½	576	Ind.	A-V Arts	85.00	62.5	67
670.55	Wood, Grant —————	2	510	Art	E-J-A-V	125.00	73.02	64
670.75	Woodpecker Gets Ready For Winter, The —————	1	326	Sci.	4-6	40.00	62.9	64
670.76	Woodpecker Gets Ready For Winter, The (color) ——— Story of the California woodpecker having the unique habit of placing acorns in the holes it drills in trees. Value of woodpeckers to forests. Development of the young; parental care.	1	326	Sci.	4-6	75.00	62.9	64
670.8	Woodrow Wilson ————— Presents highlights in the presidency of Woodrow Wilson. His predictions and proposals are discussed.	2½	972	Hist. Eng.	A	135.00	62.5	67
671.11	Woodwind Choir 2nd edition —————	1	405	Music	E-J-A-V	60.00	39	67
671.12	Woodwind Choir (color) 2nd edition ————— A brief description. Instruments in woodwind choir with illustrative examples.	1	408	Music	E-J-A-V	120.00	39	67
671.5	Woody Woodchuck's Adventure —————	1	400	Sci., Lang. Art	K-3	60.00	39	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
671.51	Woody Woodchuck's Adventure (color) _____	1	400	Sci., Lang. Art	K-3	120.00	39	66
	This film begins in late winter as Father Woodchuck comes out of his burrow to survey the weather. Father Woodchuck brings his family from their den. Woody wanders away and is captured by a boy named Michael and his dog, Blackie.							
671.8	Wool _____	1	383	Soc. St. Lang. Arts	E	60.00	39	65
672.5	Wooly, The Lamb _____	1	400	Lang. Arts	E	60.00	24.1	63
672.51	Wooly, The Lamb (color) _____	1	400	Lang. Arts	E	110.00	24.1	63
	A lamb and her activities on a farm.							
673	Word Building In Our Language _____	1	400	Lang. Art	J-A	60.00	24.1	65
673.1	Word Building In Our Language(color) _____	1	400	Lang. Art	J-A	120.00	24.1	65
	Shows the various ways that words have entered the English language, helps the student better understand their meaning, and thereby aids him in vocabulary development.							
673.6	Words of Courtesy _____	1	431	Guid	E-J	60.00	62.5	65
	This film demonstrates how everyday living at home, in school and in the community is made more satisfying through appropriate use of such words of courtesy as "Thank you," "I'm sorry," "Congratulations."							
673.8	Work of the Blood _____	1½	475	Sci.	A-V	75.00	39	63

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
673.81	Work of the Blood (color) _____ Shows component of blood and their functions. Origin of blood cells, typing, transfusions, clotting, circulation.	1½	475	Sci.	A-V	150.00	39	63
674	Work of the Rivers _____	1	370	Sci.	J	60.00	39	64
675.45	Workboats of Harbor _____ Two boys take a day's trip aboard a tugboat of N.Y. Harbor. The work of the men of the tugboat and closeups of sections of the boat are highlighted.	1	430	Soc. St.	E	50.00**	88.7	64
675.48	Workers of Mexico _____	1	400	Soc. St.	E-J	50.00	74.05	64
675.51	Working Safely In The Shop _____	1	400	Wood-working	E-J-A-V	60.00	24.1	64
675.52	Working Safely in The Shop (color) _____	1	400	Wood-working	E-J-A-V	110.00	24.1	64
675.54	Working Together _____	2	853	Soc. St.	A-V	120.00	39	63
675.55	Working Water (color) — _____ Shows how water from snows gathers in rivulets, brooks and rivers which are dammed to form large lakes and how this water is distributed to the surrounding area.	1½	478	Sci.	E	125.00**	29	67
675.7	Workshop for Peace _____ Gives a general picture of the U.N. Magnitude and scope of the U.N., its work, physical facilities.	3	1100	Soc. St.	J-A-V	65.00	24.04	64
675.75	World at Your Feet (color) _____ Describes the importance of soil in the (a) growth of plants, (b) to animal life; conservation of soil, characteristics of various types of soil.	2	800	Sci.	A-V	240.00	57.8	65

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
675.8	World in A Marsh (color) The camera provides an intimate view of the infinite variety of life forms that inhabit the quiet waters of the marsh, recording the activities of some of the insects, small amphibious creatures and birds that have become adapted to life in this strange, miniature world.	2	792	Sci.	A	250.00	62.5	64
676.05	World Is Born, A (color) Biography of the first two billion years of our planet, Earth, showing the birth of the earth and the first living creatures.	2		Sci.	J	200.00***	28	63
676.1	World of Little Things —	1½	520	Sci.	A-V	60.00	62.9	65
676.11	World of Little Things (color) The effects of magnification on water-protozoa, rotifers, water fleas, Paramecium, ameba, volvox, didinium are shown.	1½	520	Sci.	A-V	120.00	62.9	65
676.13	World of Microbes (color) This multi-award winning film reveals a teeming microscopic world in which white blood cells fight tubercle bacilli for survival.	3	1080	Bio.	J-A CLC	300.00	62.5	67
676.14	World of Micro-Life Starting with bread mold we see how tiny organisms are structured, how they reproduce and exist, how they are helpful or harmful.	1-1/3	486	Sci.	Gr. 5-6	135.00	89	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
676.15	World of Molecules, The...	1	395	Sci.	J	50.00	21.4	64
676.16	World of Molecules, The (color) An introduction into the strange invisible world that gives us understanding of the behavior of molecules in solids, liquids, and gases through experiment and animation.	1	395	Sci.	J	100.00	21.4	64
676.6	World Of Mosaic (color) From Greek through Byzantine and Aztec, the evolution of mosaic is shown moving toward the present renaissance in Mexico and the U. S. Narrator, Richard Widmark.	2½	997	Art	A-V	295.00	89.3	65
677.1	World War I: The Background Touching back to 1870, film indicates rivalries, entangling alliances, and tension of pre-war years. Particular attention to Balkan conflict, alliances, Sarajevo incident.	1¼	500	Soc. St.	J-A-V	75.00	24.1	66
677.11	World War I: Building The Peace Newsreel footage focuses on Wilson, Lloyd George, and Clemenceau, and Versailles conference. Effects of treaty and reasons for its failure discussed.	1	400	Soc. St.	E-J-A-V	60.00	24.1	66
677.12	World War I: The War Years Film identifies Allies and Central Powers; reviews their relative advantages in war potential. Strategy and the major campaigns are discussed.	1¼	500	Soc. St.	J-A-V	75.00	24.1	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
677.4	World War I _____ The major events of World War I are presented and the role of Woodrow Wilson during the war in shaping the peace is described. The effects of the war on peoples of Europe and the United States are noted.	2½	1000	Soc. St.	J-A-V	150.00	39	63
677.5	World War II—Prologue USA _____ Events leading up to World War II.	2½	1029	Soc. St.	J-A-V	150.00	39	67
678.6	Worms to Wings _____	1	470	Science	J-A-V	55.00	62.9	66
678.61	Worms to Wings (color) _____ Shows the life history of the butterfly as it goes through the various stages of egg, larva, pupa and adult in its metamorphosis.	1	470	Science	J-A-V	110.00	62.9	66
679.13	Writing Better Social Letters _____	1	400	Lang. Arts	J	60.00	24.1	66
679.14	Writing Better Social Letters (color) _____	1	400	Lang. Arts	J	110.00	24.1	66
679.2	X-Ray Inspection _____	2	750	Machine Shop	V	45.41	71	67
✓ 679.5	Yellowstone (color) _____ A story of Yellowstone National Park and its natural wonders. Portrays Yellowstone Falls, Old Faithful, the Dragon's Mouth, Morning Glory Pool, The Paint Pot, mineral formations.	1	363	Soc. St.	E-J-A	120.00	57.8	66
680	You and Machines _____ Elementary treatment of simple machines in everyday life.	1-1/3	486	Sci.	4-6	135.00	89	67
680.5	You and Your Bicycle _____	1	400	Health Ed.	E-J	50.00	74.05	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
680.51	You and Your Bicycle Detailed instructions on bicycle maintenance and riding safety. Hints for beginners as well as experienced riders. Produced with cooperation of National Safety. Council.	1	455	Safety	E-J-A	119.75**	20.553	66
680.8	You and Your Classroom..... Fourteen open-ended episodes involving classroom control and discipline are presented. Selection of the filmed episodes was made after a survey of several hundred teachers revealed these problems to be the most prevalent in the elementary classroom.	1	360	Tch. Tr		100.00	36.85	66
681.5	You and Your Five Senses (color) A Jiminy Cricket Film explaining the five senses; hearing, smell, taste, sight and touch.	1		Sci. Health	4-6	100.00***	28	66
681.51	You And Your Parents Gr.-T.T.	1½	500	Guid.-Par. Gr.-T.T.	J-A-V	75.00	24.1	65
681.52	You And Your Parents (color) Gr.-T.T.	1½	500	Guid.-Par. Gr.-T.T.	J-A-V	150.00	24.1	65
681.61	You And Your Work Guid.	1	400	Health Ed. Guid.	J-A-V	50.00	24.1	65
681.62	You And Your Work (color) Guid.	1	400	Health Ed. Guid.	J-A-V	120.00	24.1	65
681.63	You Bet Your Life Dr. Ed.	1	400	Dr. Ed.	J-A-V	50.00	74.05	64
681.8	You Can Win Elections	2	698	Soc. St.	A	125.00	57.8	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
✓ 681.81	You Can Win Elections (color) _____ The story of how an ordinary citizen becomes active in a local election and the useful role he can play with professional political techniques.	2	698	Soc. St.	A	240.00	57.8	64
682	You—The Human Animal (color) _____ A Jiminy Cricket Film which points out the basic differences between humans and other animals.	1		Sci.	K-3	100.00***	28	66
682.2	Young Mother Hubbard — What to eat, when to eat — for good health—are stressed in this film by showing a typical 24-hour day with the Hubbard family. Food sources and transportation also covered.	1	324	H. Ed.	E	85.00	76.8	67
682.4	Your Children's Play _____	2	800	Guidance Tch. Tr.		110.20	62.5	63
682.5	Your Cleanliness _____	1	444	Health Ed.	E-J	57.50	62.5	64
682.6	Your Clothing _____	1	435	Health Ed.	E-J	57.50	62.5	64
682.7	Your Earning Power _____	1	400	Guid.	J-A-V	60.00	24.1	63
682.71	Your Earning Power (color) _____	1	400	Guid.	J-A-V	110.00	24.1	63
682.8	Your Ears _____	1	348	Health Ed.	E-J-A-V	50.00	62.5	63
682.9	Your Eyes _____	1	325	Health Ed.	E-J-A-V	50.00	62.5	63
683	Your Family Budget _____	1	400	Soc. St. Math. H. Eco.	E-J-A-V	60.00	24.1	65
683.1	Your Family Budget (color) _____	1	400	Soc. St. H. Eco. Math.	E-J-A-V	120.00	24.1	65
684.2	Your Food _____	1¼	450	Health Ed.	E-J	75.00	62.5	64
684.21	Your Friend, The Doctor _____	1	400	Health Ed.	E	60.00	24.1	66
684.22	Your Friend, The Doctor (color) _____	1	400	Health Ed.	E	110.00	24.1	66

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	1
684.31	Your Friend The Soil (color) _____ Contrasts; correct and in- correct methods of farm- ing.	$\frac{1}{2}$	244	Sci.	E	60.00	39	65
684.32	Your Friend The Water (color) _____ Contrasts uses of "clear" vs. polluted water.	$\frac{1}{2}$	228	Sci.	E	60.00	39	65
684.4	Your Friends _____	1	400	Guid. Soc. St.	E-J	50.00	76.8	66
684.41	Your Friends (color) _____ Various jobs involved in becoming a fireman — knowledge of mechanics, medicine, first aid, etc. E m e r g e n c y situations handled best by local fire- men. Their function in the community.	1	400	Guid. Soc. St.	E-J	100.00	76.8	66
Your Government Series (Set of 3)								
684.5	The Presidency _____	1	325	A. His. I	A-V	60.00	62.5	65
684.51	Congress _____	1	340	A. Hist. I	A-V	60.00	62.5	65
684.52	Supreme Court _____	1	330	A. Hist. I	A-V	60.00	62.5	65
684.66	Your Health At Home _____	1	400	Hygiene	E-J	60.00	24.1	67
684.67	Your Health At Home (color) _____ Personal cleanliness, pro- per rest and food habits and the cheerful, friendly attitudes of all contribute to a healthy home.	1	400	Hygiene	E-J	110.00	24.1	67
684.7	Your Health At School _____	1	400	Health Ed.	E-J	60.00	24.1	64
684.71	Your Health At School (color) _____	1	400	Health Ed.	E-J	110.00	24.1	64
684.72	Your Health—Disease And Its Control _____	1	400	Sci., H.E.	J	60.00	24.1	64
684.73	Your Health—Disease And Its Control (color) _____	1	400	Sci., H.E.	J	110.00	24.1	64
684.74	Your Health In The Community _____	1	400	Health Ed.	E-J	60.00	24.1	64
684.75	Your Health In The Community (color) _____	1	400	Health Ed.	E-J	110.00	24.1	64

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
684.76	Your Posture _____	1	411	Health Ed.	E-J	57.50	62.5	64
684.77	Your Table Manners _____ Discusses basic table manners as part of living together, and stresses good family relationships.	1	396	Guid.	E	60.00	62.5	67
685	Your Teeth _____	1	364	Health Ed.	E-J-A-V	50.00	62.5	63
685.5	Your Thrift Habits _____	1	400	Guid.	E-J	50.00	24.1	65
685.51	Your Thrift Habits (color) _____	1	400	Guid.	E-J	120.00	24.1	65
685.7	Your Ticket To Safety _____	1	400	Driver Ed.	A	65.00**	42.5	66
685.71	Your Ticket To Safety (color) _____ Report on selective enforcement methods, and how they are used to protect the public and to preserve safety. Designed to develop sound attitudes toward driving.	1	400	Driver Ed.	A	125.00**	42.5	66
685.8	Your Voice _____	1	385	T.T.-Sp.	J-A-V	60.00	39	65
686	Yours Is The Land (color)	2	718	G. Sci.	E-J-A-V	240.00	39	65
686.7	Yugoslavia _____ A picture survey of Yugoslavia. Life in the villages and cities. Farming conditions and economic developments are shown.	1	400	Soc. St.	J	60.00	24.1	63
690	Zoo Animals Mammals Pt. I _____	1	400	Sci.	E	60.30	1.11	67
690.1	Zoo Animals Mammals Pt. I (color) _____ Shows how some animals are cared for at the San Diego Zoo.	1	400	Sci.	E	110.30	1.11	67
690.11	Zoo Animals Mammals Pt. II _____	1	400	Sci.	E	60.30	1.11	67

LIST OF 16MM MOTION PICTURE FILMS—SOUND—Continued

Item No.	Title	No. of Reels	Length in feet	Subject	School Level	Price	Contr.	†
690.12	Zoo Animals Mammals Pt. II (color) _____	1	400	Sci	E	110.30	1.11	67
	A zoo doctor shows a group of zoo mammals which includes axis deer, eland, zebra, kangaroo, koala bear, sloth bear, polar bear, chimpanzee.							
700.2	Zoo Animals of Our Story-Books _____	1	400	Lang. Arts Sci.	E	60.00	24.1	63
700.21	Zoo Animals of Our Story-Books (color) _____	1	400	Lang. Arts Sci.	E	110.00	24.1	63
710	Zoo Babies _____	1	400	E. Sci.	E	60.00	24.1	65
710.1	Zoo Babies (color) _____	1	400	E. Sci.	E	120.00	24.1	65
	Baby animals and their dependence on their mothers.							
720	Zoo Baby Animals _____	1	384	Lang. Art	K-4	60.00	39	67
720.1	Zoo Baby Animals (color) _____	1	384	Lang. Art	K-4	120.00	39	67
	"Behind the scenes" at the zoo, showing activities in kitchen and hospital and how baby animals are fed and cared for.							
750	Zoo Families _____	1	345	LA-Sci.	E	60.00	43	65
750.1	Zoo Families (color) _____	1	355	LA-Sci.	E	110.00	43	65
	Tommy and his mother visit the Zoo (San Diego, Calif.) They see lions, monkeys, kangaroos, hippopotamuses, chimpanzees, jungle hen and chicks. In each case, mother and young are shown — and father lion showing care.							

